

INDEX TO ARTICLES AND COMMENTARIES: VOLUME 67 (1992)

Entries are by title and author; commentaries are so designated.

- Animals (nonhuman), is there teaching in?, 151
- Biological indicators, climate reconstruction based on, 457
- Breeders (cooperative), evolution of delayed dispersal in, 111
- Carlson, E. A., *Human Imperfection: Unresolved Responses [a consideration of The Surgical Solution: A History of Involuntary Sterilization in the United States, by P. R. Reilly and Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, by W. H. Schneider]*, COMMENTARY, 337
- Carmen, W. J. (with W. D. Koenig, F. A. Pitelka, R. L. Mumme, and M. T. Stanback), *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Caro, T. M., and M. D. Hauser, *Is There Teaching in Nonhuman Animals?*, 151
- Charlesworth, D. (with N. E. Walsh), *Evolutionary Interpretations of Differences in Pollen Tube Growth Rates*, 19
- Climate Reconstruction Based on Biological Indicators, by D. W. Woodcock, 457
- Clutton-Brock, T. H., and G. A. Parker, *Potential Reproductive Rates and the Operation of Sexual Selection*, 437
- Cooperation among Unrelated Individuals: Evolutionary Factors, by M. Mesterton-Gibbons and L. A. Dugatkin, 267
- Cooperative breeders, evolution of delayed dispersal in, 111
- Defend or grow, the dilemma of plants, 283
- Delayed dispersal in cooperative breeders, evolution of, 111
- Differences in pollen tube growth rates, evolutionary interpretations of, 19
- Dilemma of Plants: To Grow or Defend, by D. A. Herms and W. J. Mattson, 283
- Dispersal (delayed) in cooperative breeders, evolution of, 111
- Dugatkin, L. A. (with M. Mesterton-Gibbons), *Cooperation among Unrelated Individuals: Evolutionary Factors*, 267
- Evolutionary Interpretations of Differences in Pollen Tube Growth Rates, by N. E. Walsh and D. Charlesworth, 19
- Evolution of Delayed Dispersal in Cooperative Breeders, by W. D. Koenig, F. A. Pitelka, W. J. Carmen, R. L. Mumme, and M. T. Stanback, 111
- Francis, R. C., *Sexual Liability in Teleosts: Developmental Factors*, 1
- Gaia, *Nature Worship and Biocentric Fallacies*, by G. C. Williams, COMMENTARY, 479
- Grow or defend, the dilemma of plants, 283
- Growth rates (pollen tube) evolutionary interpretations of differences in, 19
- Haldane's Causes of Evolution After 60 Years, by E. Mayr, COMMENTARY, 175
- Hauser, M. D. (with T. M. Caro), *Is There Teaching in Nonhuman Animals?*, 151
- Herms, D. A., and W. J. Mattson, *The Dilemma of Plants: To Grow or Defend*, 283
- Human Imperfection: Unresolved Responses, by E. A. Carlson [a consideration of The Surgical Solution: A History of Involuntary Sterilization in the United States, by P. R. Reilly and Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, by W. H. Schneider], COMMENTARY, 337

INDEX TO ARTICLES AND COMMENTARIES: VOLUME 67 (1992)

Entries are by title and author; commentaries are so designated.

- Animals (nonhuman), is there teaching in?, 151
- Biological indicators, climate reconstruction based on, 457
- Breeders (cooperative), evolution of delayed dispersal in, 111
- Carlson, E. A., *Human Imperfection: Unresolved Responses [a consideration of The Surgical Solution: A History of Involuntary Sterilization in the United States, by P. R. Reilly and Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, by W. H. Schneider]*, COMMENTARY, 337
- Carmen, W. J. (with W. D. Koenig, F. A. Pitelka, R. L. Mumme, and M. T. Stanback), *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Caro, T. M., and M. D. Hauser, *Is There Teaching in Nonhuman Animals?*, 151
- Charlesworth, D. (with N. E. Walsh), *Evolutionary Interpretations of Differences in Pollen Tube Growth Rates*, 19
- Climate Reconstruction Based on Biological Indicators, by D. W. Woodcock, 457
- Clutton-Brock, T. H., and G. A. Parker, *Potential Reproductive Rates and the Operation of Sexual Selection*, 437
- Cooperation among Unrelated Individuals: Evolutionary Factors, by M. Mesterton-Gibbons and L. A. Dugatkin, 267
- Cooperative breeders, evolution of delayed dispersal in, 111
- Defend or grow, the dilemma of plants, 283
- Delayed dispersal in cooperative breeders, evolution of, 111
- Differences in pollen tube growth rates, evolutionary interpretations of, 19
- Dilemma of Plants: To Grow or Defend, by D. A. Herms and W. J. Mattson, 283
- Dispersal (delayed) in cooperative breeders, evolution of, 111
- Dugatkin, L. A. (with M. Mesterton-Gibbons), *Cooperation among Unrelated Individuals: Evolutionary Factors*, 267
- Evolutionary Interpretations of Differences in Pollen Tube Growth Rates, by N. E. Walsh and D. Charlesworth, 19
- Evolution of Delayed Dispersal in Cooperative Breeders, by W. D. Koenig, F. A. Pitelka, W. J. Carmen, R. L. Mumme, and M. T. Stanback, 111
- Francis, R. C., *Sexual Liability in Teleosts: Developmental Factors*, 1
- Gaia, *Nature Worship and Biocentric Fallacies*, by G. C. Williams, COMMENTARY, 479
- Grow or defend, the dilemma of plants, 283
- Growth rates (pollen tube) evolutionary interpretations of differences in, 19
- Haldane's Causes of Evolution After 60 Years, by E. Mayr, COMMENTARY, 175
- Hauser, M. D. (with T. M. Caro), *Is There Teaching in Nonhuman Animals?*, 151
- Herms, D. A., and W. J. Mattson, *The Dilemma of Plants: To Grow or Defend*, 283
- Human Imperfection: Unresolved Responses, by E. A. Carlson [a consideration of The Surgical Solution: A History of Involuntary Sterilization in the United States, by P. R. Reilly and Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, by W. H. Schneider], COMMENTARY, 337

- Indicators (biological), climate reconstruction based on, 457
- Individuals (unrelated), cooperation among, 267
- Interpretations (evolutionary) of differences in pollen tube growth rates, 19
- Is There Teaching in Nonhuman Animals?*, by T. M. Caro and M. D. Hauser, 151
- Jaroslav Kříženecký (1896-1964), *Tragic Victim of Lysenkoism in Czechoslovakia*, by V. Orel, COMMENTARY, 487
- Koenig, W. D., F. A. Pitelka, W. J. Carmen, R. L. Mumme, and M. T. Stanback, *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Lability (sexual), in teleosts, 1
- Mattson, W. J. (with D. A. Herms), *The Dilemma of Plants: To Grow or Defend*, 283
- Mayr, E., *Haldane's Causes of Evolution After 60 Years*, COMMENTARY, 175
- Mesterton-Gibbons, M., and L. A. Dugatkin, *Cooperation among Unrelated Individuals: Evolutionary Factors*, 267
- Mumme, R. L. (with W. D. Koenig, F. A. Pitelka, W. J. Carmen, and M. T. Stanback), *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Nonhuman animals, is there teaching in?, 151
- Operation of sexual selection, potential reproductive rates, 437
- Orel, V., Jaroslav Kříženecký (1896-1964), *Tragic Victim of Lysenkoism in Czechoslovakia*, COMMENTARY, 487
- Parker, G. A. (with T. H. Clutton-Brock), *Potential Reproductive Rates and the Operation of Sexual Selection*, 437
- Pitelka, F. A. (with W. D. Koenig, W. J. Carmen, R. L. Mumme, and M. T. Stanback), *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Plants, the dilemma of, to grow or defend, 283
- Pollen tube growth rates, differences in, evolutionary interpretations of, 19
- Potential Reproductive Rates and the Operation of Sexual Selection*, by T. H. Clutton-Brock and G. A. Parker, 437
- Rates (reproductive) and the operation of sexual selection, 437
- Reconstruction (climate) based on biological indicators, 457
- Reproductive rates and the operation of sexual selection, 437
- Selection (sexual), potential reproductive rates and the operation, 437
- Sexual Lability in Teleosts: Developmental Factors*, by R. C. Francis, 1
- Sexual selection, potential reproductive rates, 437
- Stanback, M. T. (with W. D. Koenig, F. A. Pitelka, W. J. Carmen, and R. L. Mumme), *The Evolution of Delayed Dispersal in Cooperative Breeders*, 111
- Teaching, is there in nonhuman animals?, 151
- Teleosts, sexual lability in, 1
- Unrelated individuals, cooperation among, 267
- Walsh, N. E., and D. Charlesworth, *Evolutionary Interpretations of Differences in Pollen Tube Growth Rates*, 19
- Williams, G. C., Gaia, *Nature Worship and Biocentric Fallacies*, COMMENTARY, 479
- Woodcock, D. W., *Climate Reconstruction Based on Biological Indicators*, 457

INDEX TO BOOKS AND SOFTWARE REVIEWED: VOLUME 67 (1992)

Entries are by title and author/editor; lead reviews are so designated.

- Aber, J. D., and J. M. Melillo, *Terrestrial Ecosystems*, 544
- AbouZahr, C., and E. Royston (compilers), *Maternal Mortality: A Global Factbook*, 561
- Acanthaster planci*: Major Management Problem of Coral Reefs, by C. Birkeland and J. S. Lucas, 385
- Acidic Deposition and Aquatic Ecosystems: Regional Case Studies, ed. by D. F. Charles, 382
- Acidic Precipitation, ed. by S. A. Norton et al., Vol. 4 (Soils, Aquatic Processes, and Lake Acidification), 230
- Acidic Precipitation, ed. by S. E. Lindberg et al., Vol. 3 (Sources, Deposition, and Canopy Interactions), 230
- Ackerman, N. R., et al. (eds.), *Progress in Inflammation Research and Therapy*, 564
- Ada, G. L., and P. D. Griffin (eds.), *Vaccines for Fertility Regulation: The Assessment of Their Safety and Efficacy*, 241
- Adam, P., *Saltmarsh Ecology*, 70
- Adams, R. L. P., *DNA Replication*, 354
- Ad Polyporaceas VII: The Xanthochroic Polypores, by E. J. H. Corner, 60
- ADP-Ribosylating Toxins and G Proteins: Insights into Signal Transduction, ed. by J. Moss and M. Vaughan, 93
- Advances in Microbial Ecology, ed. by K. C. Marshall, Vol. 11, 209
- Advances in Soil Science, ed. by B. A. Stewart, Vol. 15, 74
- Affinity Membranes: Their Chemistry and Performance in Adsorptive Separation Processes, by E. Klein, 356
- Agenbroad, L. D., et al. (eds.), *Mega fauna & Man: Discovery of America's Heartland*, 405
- Age of the Earth, by G. B. Dalrymple, 515
- Agutter, P. S., *Between Nucleus and Cytoplasm*, 47
- Ahmed, F. E. (ed.), *Seafood Safety*, 411
- Akçakaya, H. R., and S. Ferson, *RAMAS/space, software*, 252
- Alerstam, T., *Bird Migration* (transl. by D. A. Christie), 404
- Alfin-Slater, R. B., and D. Kritchevsky (eds.), *Cancer and Nutrition*, 89
- Alfred Russel Wallace: An Anthology of His Shorter Writings, ed. by C. H. Smith, 508
- Allen, K., and D. Briggs (eds.), *Evolution and the Fossil Record*, 43
- Allgemeine Biologie 7, ed. by E. Günther et al., 194
- Alstad, D. N., *Populus, software*, 251
- Amphibians and Reptiles of the West Indies: Descriptions, Distributions, and Natural History, by A. Schwartz and R. W. Henderson, 380
- Amyotrophic Lateral Sclerosis and Other Motor Neuron Diseases, ed. by L. P. Rowland, 77
- Anderson, A. B., et al., *The Subsidy from Nature: Palm Forests, Peasantry, and Development on an Amazon Frontier*, 226
- Anderson, W. J., *Continuous-Time Markov Chains: An Applications-Oriented Approach*, 419
- Andreani, D., et al. (eds.), *Diabetic Complications: Epidemiology and Pathogenetic Mechanisms*, 561
- Andrews, J. H., *Comparative Ecology of Microorganisms and Macroorganisms*, 232
- Animal Cells, ed. by A. Doyle et al., 359
- Animal Cytogenetics, by L. Christidis, Vol. 4 (Chordata 3: B. Aves), 365
- Animal Cytogenetics, by M. King, Vol. 4 (Chordata 2: Amphibia), 47
- Animal Models in Psychiatry, I and II, ed. by A. A. Boulton et al., 405
- Animal Species for Developmental Studies, ed. by T. A. Dettlaff and S. G. Vassetzky, Vol. 2 (Vertebrates) (transl. by G. G. Gause, Jr. and S. G. Vassetzky), 54
- Animal Welfare and the Law, ed. by D. E. Blackman et al., 245
- Annotated Bibliography of Antarctic Invertebrates (Terrestrial and Freshwater), by W. Block, 533
- Anthropometric Assessment of Nutritional Status, ed. by J. H. Himes, 88

- Applications of Cryogenic Technology, ed. by J. P. Kelley, Vol. 10, 418
- Applied Virology Research, ed. by E. Kurstak et al., Vol. 2 (Virus Variability, Epidemiology, and Control), 93
- Arabian Mammals: A Natural History, by J. Kingdon, 376
- Arking, R., Biology of Aging: Observations and Principles, 194
- Arms, K., and P. S. Camp, Biology: A Journey Into Life, 2nd ed., 193
- Armstrong, R. H., Guide to the Birds of Alaska, rev. ed., 64
- Arora, D. K., et al. (eds.), Handbook of Applied Mycology, Vol. 1 (Soil and Plants), 212
- Assessing Ecological Risks of Biotechnology, ed. by L. R. Ginzburg, 229
- Atherosclerosis: Cellular and Molecular Interactions in the Artery Wall, ed. by A. I. Gotlieb et al., 565
- Atlas of Sponge Morphology, by L. De Vos et al., 386
- Auks at Sea, ed. by S. G. Sealy, 222
- Avian Cellular Immunology, ed. by J. M. Sharma, 244
- Axum, by L. E. Edlefsen et al., Version 1.2, *software*, 425
- Bakus, G. J., Quantitative Ecology and Marine Biology, 382
- Bard, J., Morphogenesis: The Cellular and Molecular Processes of Developmental Anatomy, 55
- Barker, J. S. F., et al. (eds.), Ecological and Evolutionary Genetics of *Drosophila*, 203
- Barker, R., Neuroscience: An Illustrated Guide, 551
- Barlow, C. (ed.), From Gaia to Selfish Genes: Selected Writings in the Life Sciences, 512
- Barnett, J. A., et al., Yeasts: Characteristics and Identification, 2nd ed., 369
- Barrow, C. J., Land Degradation: Development and Breakdown of Terrestrial Environments, 395
- Basch, P. F., Schistosomes: Development, Reproduction, and Host Relations, 533
- Basic Orthopaedic Biomechanics, by V. C. Mow and W. C. Hayes, 416
- Bateson, P. P. G., and P. H. Klopfer (eds.), Perspectives in Ethology, Vol. 9 (Human Understanding and Animal Awareness), 403
- Bats of Texas, by D. J. Schmidly, 539
- Battle Against Extinction: Native Fish Management in the American West, ed. by W. L. Minckley and J. E. Deacon, 542
- Baulieu, E.-E., and P. A. Kelly (eds.), Hormones: From Molecules to Disease, 242
- Baumberg, S., et al. (eds.), Genetics and Product Formation in *Streptomyces*, 528
- Bayer, S. A., and J. Altman, Neocortical Development, 398
- Beck, W. S. (ed.), Hematology, 5th ed., 417
- Beehler, B. M., A Naturalist in New Guinea, 74
- Bekoff, M., and D. Jamieson (eds.), Interpretation and Explanation in the Study of Animal Behavior, Vol. I (Interpretation, Intentionality, and Communication) and Vol. II (Explanation, Evolution, and Adaptation), 82
- Belk, D., et al. (eds.), Studies on Large Branchiopod Biology and Aquaculture, 384
- Bell, S. S., et al. (eds.), Habitat Structure: The Physical Arrangement of Objects in Space, 73
- Bell, W. J., Searching Behaviour: The Behavioural Ecology of Finding Resources, 236
- Benjamini, E., and S. Leskowitz, Immunology: A Short Course, 2nd ed., 409
- Benson, K. R., et al. (eds.), The Expansion of American Biology, 192
- Beral, V., et al. (eds.), Cancer, HIV and AIDS, 560
- Bergerhoff, P., et al. (eds.), Primary Health Care: Public Involvement, Family Medicine, Epidemiology, and Health Economics, 240
- Berthold, P. (ed.), Orientation in Birds, 556
- Beta-Adrenergic Receptors, ed. by J. P. Perkins, 233
- Between Nucleus and Cytoplasm, by P. S. Agutter, 47
- Bilharzia: A History of Imperial Tropical Medicine, by J. Farley, 411
- Biochemical Markers in the Population Genetics of Forest Trees, ed. by S. Fineschi et al., 212
- Biochemical Messengers: Hormones, Neurotransmitters and Growth Factors, by D. G. Hardie, 360
- Biochemie, by H.-P. Kleber and D. Schlee, Teil 1 (Allgemeine und funktionelle Biochemie), 2nd ed., 198
- Biochemistry of Copper, by M. C. Linder, 519
- Biochemistry of Halogenated Organic Compounds, by K. L. Kirk, 357
- Biochemistry of the Elemental Halogens and Inorganic Halides, by K. L. Kirk, 357
- Biodegradable: Detergents and the Environment, by W. McGucken, 548

- Biogeography and Ecology of Forest Bird Communities, ed. by A. Keast, 390
- Biological and Behavioral Determinants of Language Development, ed. by N. A. Krasnegor et al., 561
- Biological and Cultural Tests for Control of Plant Diseases, ed. by W. F. Wilcox, Vol. 6 (1991), 371
- Biological Control of Vectors, by J. Weiser, 88
- Biological Nitrogen Fixation, ed. by G. Stacey et al., 529
- Biological Oxidation of Nitrogen in Organic Molecules, ed. by P. Hlavica and L. A. Damani, 519
- Biological Perspectives on Human Pigmentation, by A. H. Robins, 414
- Biological Roots of Human Nature: Forging Links between Evolution and Behavior, by T. H. Goldsmith, 562
- Biology: A Journey Into Life, by K. Arms and P. S. Camp, 2nd ed., 193
- Biology and Medicine into the 21st Century, ed. by M. A. Hardy and R. K. H. Kinne, 563
- Biology of *Acinetobacter*: Taxonomy, Clinical Importance, Molecular Biology, Physiology, Industrial Relevance, ed. by K. J. Towner et al., 367
- Biology of Aging: Observations and Principles, by R. Arking, 194
- Biology of Blood-Sucking Insects, by M. J. Lehane, 536
- Biology of Grasshoppers, ed. by R. F. Chapman and A. Joern, 67
- Biology of Microorganisms, by T. D. Brock and M. T. Madigan, 6th ed., 57
- Biology of Particles in Aquatic Systems, ed. by R. S. Wotton, 225
- Biology of the Koala, ed. by A. K. Lee et al., 379
- Biomedical Ethics Reviews—1990, ed. by J. M. Humber and R. F. Almeder, 506
- Bionomics: The Inevitability of Capitalism, by M. Rothschild, 95
- Bioorganic Chemistry Frontiers, ed. by H. Dugas, Vol. 2, 518
- Biophysics of Gap Junction Channels, ed. by C. Peracchia, 235
- Biophysics of Photoreceptors and Photomovements in Microorganisms, ed. by F. Lenci et al., 366
- Biopsychology of Mood and Arousal, by R. E. Thayer, 406
- Biosensors with Fiberoptics, ed. by D. L. Wise and L. B. Wingard, Jr., 95
- Biosocial Aspects of Social Class, ed. by C. G. N. Mascie-Taylor, 85
- BIOSOFT, SolvEq, *software*, 255
- Biotechnology of Microbial Exopolysaccharides, by I. W. Sutherland, 527
- Bird Migration, by T. Alerstam (transl. by D. A. Christie), 404
- Bird Population Studies: Relevance to Conservation and Management, ed. by C. M. Perrins et al., 391
- Birds of Japan, by M. A. Brazil, 217
- Birkeland, C., and J. S. Lucas, *Acanthaster planci*: Major Management Problem of Coral Reefs, 385
- Birx, H. J., Interpreting Evolution: Darwin & Teilhard de Chardin, 191
- Bitten by the Biology Bug, by M. C. Flannery, Monograph VI, 352
- Blackman, D. E., et al. (eds.), *Animal Welfare and the Law*, 245
- Block, W., An Annotated Bibliography of Antarctic Invertebrates (Terrestrial and Freshwater), 533
- Blood Cell Biochemistry, ed. by J. R. Harris, Vol. 1 (Erythroid Cells), 94
- Boletineae of Mexico and Central America III, by R. Singer et al., 373
- Botany: An Introduction to Plant Biology, by J. D. Mauseth, 59
- Botany for Gardeners: An Introduction and Guide, by B. Capon, 58
- Boulton, A. A., et al. (eds.), *Animal Models in Psychiatry*, I and II, 405
- Bowen, I. D., and S. M. Bowen, Programmed Cell Death in Tumours and Tissues, 199
- Bowen, W. D. (ed.), Population Biology of Sealworm (*Pseudoterranova decipiens*) in Relation to Its Intermediate and Seal Hosts, 384
- Bowery, N. G., et al. (eds.), GABA_B Receptors in Mammalian Function, 401
- Bowler, P. J., Charles Darwin: The Man and His Influence, 39
- Bowman, J. E., and R. F. Murray, Jr., Genetic Variation and Disorders in Peoples of African Origin, 84
- Box, H. O. (ed.), Primate Responses to Environmental Change, 547
- Box, J. E., Jr., and L. C. Hammond (eds.), Rhizosphere Dynamics, 73
- Boyd, R., et al. (eds.), *The Philosophy of Science*, 508
- Bozzola, J. J., and L. D. Russell, Electron Microscopy: Principles and Techniques for Biologists, 247

- Brain Circuits and Functions of the Mind, ed. by C. Trevarthen, 399
- Brain Endocrinology, ed. by M. Motta, 2nd ed., 400
- Branden, C., and J. Tooze, Introduction to Protein Structure, 44
- Braun, M., et al., Common Weeds of Central Sudan, 213
- Brazil, M. A., The Birds of Japan, 217
- Breaking the Mind Barrier: The Artscience of Neurocosmology, by T. Siler, 551
- British Plant Communities, ed. by J. S. Rodwell, by C. D. Pigott et al., Vol. 1 (Woodlands and Scrub), 212
- British Plant Communities, ed. by J. S. Rodwell; by C. D. Pigott et al., Vol. 2 (Mires and Heaths), 530
- Brock, T. D., and M. T. Madigan, Biology of Microorganisms, 6th ed., 57
- Bronner, G., Vegetation and Land Use in the Mathews Range Area, Samburu-District, Kenya, 227
- Brooks, R. R., and D. Johannes, Phytoarchaeology, 530
- Browder, L. W., et al., Developmental Biology, 3rd ed., 526
- Brown, M. C., et al., Essentials of Neural Development, rev. ed., 233
- Bruley, D. F., and W. N. Drohan (eds.), Protein C and Related Anticoagulants, 566
- Brusca, R. C., and G. J. Brusca, Invertebrates, 215
- Bunyaviridae, ed. by D. Kolakofsky, 370
- Burchfield, J. D., Lord Kelvin and the Age of the Earth, 41
- Burger, J., and M. Gochfeld, The Common Tern: Its Breeding Biology and Social Behavior, 404
- Burgoyne, R. D. (ed.), The Neuronal Cytoskeleton, 76
- Butterflies of Kenya and Their Natural History, by T. B. Larsen, 535
- Cain, A. J., Constantine Samuel Rafinesque Schmaltz on Classification, 192
- Calcium, Oxygen Radicals and Cellular Damage, ed. by C. J. Duncan, 522
- Cancer and Nutrition, ed. by R. B. Alfin-Slater and D. Kritchevsky, 89
- Cancer: Causes, Occurrence and Control, ed. by L. Tomatis et al., 412
- Cancer, HIV and AIDS, ed. by V. Beral et al., 560
- Candida* and Candidamycosis, ed. by E. Tümbay et al., 528
- Capon, B., Botany for Gardeners: An Introduction and Guide, 58
- Carbonic Anhydrases: Cellular Physiology and Molecular Genetics, ed. by S. J. Dodgson et al., 358
- Carey, P. G., Marine Interstitial Ciliates: An Illustrated Key, 542
- Carlson, B. M. (ed.); by E. Korschelt, Regeneration and Transplantation, Vol. I (Regeneration); Vol. II, Parts 1 and 2 (Transplantation, With Special Reference to Explanation, Plant Grafting and Parabiosis), 510
- Cash, C., The Slipper Orchids, 374
- Catalogo de Plantas Utiles de la Amazonia Peruana, compiled by R. A. Rutter, 2nd rev. ed., 58
- Catalog of Nearctic Chironomidae, by D. R. Oliver et al., 216
- Cellular and Molecular Aspects of Fiber Carcinogenesis, ed. by C. C. Harris et al., 361
- Cellular Physiology of Nerve and Muscle, by G. G. Matthews, 2nd ed., 521
- Chalmers, A., Science and Its Fabrication, 350
- Changeux, J.-P., et al., Fidia Research Foundation Neuroscience Award Lectures, Volume 4: 1988-1989, 234
- Chaotic Behaviour of Deterministic Dissipative Systems, by M. Marek and I. Schreiber, 567
- Chapman, R. F., and A. Joern (eds.), Biology of Grasshoppers, 67
- Charles, D. F. (ed.), Acidic Deposition and Aquatic Ecosystems: Regional Case Studies, 382
- Charles Darwin: The Man and His Influence, by P. J. Bowler, 39
- Charlwood, B. V., and M. J. C. Rhodes (eds.), Secondary Products from Plant Tissue Culture, 60
- Chase, A. R., and T. K. Broschat (eds.), Diseases and Disorders of Ornamental Palms, 213
- Chernobyl: A Policy Response Study, ed. by B. Segerstahl, 420
- Christidis, L., Animal Cytogenetics, Vol. 4 (Chordata 3: B. Aves), 365
- Chromosomal Aberrations: Basic and Applied Aspects, ed. by G. Obe and A. T. Nataraajan, 51
- Chróst, R. J. (ed.), Microbial Enzymes in Aquatic Environments, 542
- Cichlid Fishes: Behaviour, Ecology and Evolution, ed. by M. H. A. Keenleyside, 221

- Circulating Regulatory Factors and Neuroendocrine Function, ed. by J. C. Porter and D. Ježová, 77
- Classification, Distribution, and Phylogeny of North American (North of Mexico) Species of *Gyrinus* Müller (Coleoptera: Gyrinidae), by S. Oygur and G. W. Wolfe, 216
- Clement, M., Schwermetallaufnahme von *Mnium Hornum* Hedw. im Hinblick auf Seine Eignung als Biomonitor, 372
- Climate and Moisture Variability in a Tropical Forest: Long-Term Records from Barro Colorado Island, Panamá, by D. M. Windsor, 72
- Cloudsley-Thompson, J. L., Ecophysiology of Desert Arthropods and Reptiles, 547
- Cockburn, A., An Introduction to Evolutionary Ecology, 545
- Coe, M., and H. Beentje, A Field Guide to the Acacias of Kenya, 531
- Cognitive Science and Concepts of Mind: Toward a General Theory of Human and Artificial Intelligence, by M. Wagman, 397
- Colbert, E. H., and M. Morales, Evolution of the Vertebrates, 4th ed., 514
- Cole, J., et al. (eds.), Comparative Analyses of Ecosystems: Patterns, Mechanisms, and Theories, 387
- Coleman, M., and J. Wahrendorf (eds.), Directory of On-Going Research in Cancer Epidemiology, 1991, 239
- Committee on Educational Programs in Laboratory Animal Science et al., Education and Training in the Care and Use of Laboratory Animals: A Guide for Developing Institutional Programs, 94
- Committee on Infectious Diseases of Mice and Rats et al., Companion Guide to Infectious Diseases of Mice and Rats, 219
- Committee on Infectious Diseases of Mice and Rats et al., Infectious Diseases of Mice and Rats, 219
- Committee on Managing Global Genetic Resources: Agricultural Imperatives et al., Forest Trees, 388
- Committee on Managing Global Genetic Resources: Agricultural Imperatives et al., Managing Global Genetic Resources: The U. S. National Plant Germplasm System, 210
- Common Names of North American Butterflies, ed. by J. Y. Miller, 533
- Common Tern: Its Breeding Biology and Social Behavior, by J. Burger and M. Gochfeld, 404
- Common Weeds of Central Sudan, by M. Braun et al., 213
- Companion Guide to Infectious Diseases of Mice and Rats, by the Committee on Infectious Diseases of Mice and Rats et al., 219
- Comparative Analyses of Ecosystems: Patterns, Mechanisms, and Theories, ed. by J. Cole et al., 387
- Comparative Ecology of Microorganisms and Macroorganisms, by J. H. Andrews, 232
- Comprehensive Neurology, ed. by R. N. Rosenberg, 417
- Computer Models of the Environment, by B. J. Korites, *software*, 98
- Consciousness Explained, by D. C. Dennett, *lead review*, 346
- Constantine Samuel Rafinesque Schmaltz on Classification, by A. J. Cain, 192
- Continuous-Time Markov Chains: An Applications-Oriented Approach, by W. J. Anderson, 419
- Contributions to the Knowledge of Flora and Vegetation of Poland, ed. by K. Zarzycki et al., Vol. 1 [Vegetation Studies; Changes and Conservation of Flora and Vegetation (Vascular Plants, Lichens, and Macrofungi); Biosystematics], 531
- Contributions to the Knowledge of Microalgae Particularly Diatoms, ed. by U. Geissler et al., 211
- Cook, L. M., Genetic and Ecological Diversity: The Sport of Nature, 524
- Cooke, J., The Restless Kingdom: An Exploration of Animal Movement, 214
- Cooper, B. E., Diptera Types in the Canadian National Collection of Insects, Part 1 (Nematocera), 216
- Corner, E. J. H., Ad Polyporaceas VII: The Xanthochroic Polypores, 60
- Correspondence between Albrecht von Haller and Horace-Bénédict de Saussure, ed. by O. Sonntag, 510
- Coulter, G. W. (ed.), Lake Tanganyika and Its Life, 540
- Cox, P. A., and S. A. Banack (eds.), Islands, Plants, and Polynesians: An Introduction to Polynesian Ethnobotany, 559
- Crane Music: A Natural History of American Cranes, by P. A. Johnsgard, 380
- Crisis in the World's Fisheries: People, Problems, and Policies, by J. R. McGoodwin, 68
- Critique for Ecology, by R. H. Peters, *lead review*, 495

- Cytochromes C: Evolutionary, Structural and Physicochemical Aspects, by G. R. Moore and G. W. Pettigrew, 197
- Cytoskeleton and Cell Motility, by T. M. Preston et al., 359
- Dallos, P., et al. (eds.), *The Mechanics and Biophysics of Hearing*, 81
- Dalrymple, G. B., *The Age of the Earth*, 515
- Davies, K. E., and S. M. Tilghman (eds.), *Genetic and Physical Mapping*, 51
- Davis, L. S., and J. T. Darby (eds.), *Penguin Biology*, 65
- Dawson, T. H., *Engineering Design of the Cardiovascular System of Mammals*, 243
- Debus, A. G., *The French Paracelsians*, 511
- Deep-Sea Biology: A Natural History of Organisms at the Deep-Sea Floor, by J. D. Gage and P. A. Tyler, 224
- Delcourt, H. R., and P. A. Delcourt, *Quaternary Ecology: A Paleocological Perspective*, 545
- de L  ry, J., *History of a Voyage to the Land of Brazil, Otherwise Called America* (transl. by J. Whatley), 40
- Dennett, D. C., *Consciousness Explained*, *lead review*, 346
- Dennis, D. T., and D. H. Turpin (eds.), *Plant Physiology, Biochemistry and Molecular Biology*, 61
- Dennis, E. S., and D. J. Llewellyn (eds.), *Molecular Approaches to Crop Improvement*, 370
- Depaulis, A., and R. Bandler (eds.), *The Midbrain Periaqueductal Gray Matter: Functional, Anatomical, and Neurochemical Organization*, 553
- Detlaff, T. A., and S. G. Vassetzky (eds.), *Animal Species for Developmental Studies, Vol. 2 (Vertebrates)* (transl. by G. G. Gause, Jr. and S. G. Vassetzky), 54
- Developmental Biology, by L. W. Browder et al., 3rd ed., 526
- Developmental Biology, by S. F. Gilbert, 3rd ed., 207
- Developmental Evolution: It's All in the Timing, by S. K. Sessions, *lead review of Heterochrony: The Evolution of Ontogeny*, by M. L. McKinney and K. J. McNamara, 498
- Developmental Systems: At the Crossroads of System Theory, Computer Science, and Genetic Engineering, by S. W  grzyn et al., 526
- Development and Evolution of Butterfly Wing Patterns, by H. F. Nijhout, 533
- Development of the Visual System, ed. by D. M.-K. Lam and C. J. Shatz, 80
- De Vos, L., et al., *Atlas of Sponge Morphology*, 386
- Diabetic Complications: Epidemiology and Pathogenetic Mechanisms, ed. by D. Andreani et al., 561
- Diatoms from Papua New Guinea, by W. Vyverman, 374
- Dictionary of Concepts in Physical Anthropology, by J. C. Stevenson, 237
- Dictionary of Immunology, by F. S. Rosen et al., 92
- DiffEq: Numerical Solution of Differential Equations, by MicroMath Scientific Software, *software*, 254
- Diptera Types in the Canadian National Collection of Insects, by B. E. Cooper, Part 1 (Nematocera), 216
- Directory of On-Going Research in Cancer Epidemiology, 1991, ed. by M. Coleman and J. Wahrendorf, 239
- Diseases and Disorders of Ornamental Palms, ed. by A. R. Chase and T. K. Broschat, 213
- DNA Replication, by R. L. P. Adams, 354
- DNA Science: A First Course in Recombinant DNA Technology, by D. A. Micklos and G. A. Freyer, 355
- Dodgson, S. J., et al. (eds.), *The Carbonic Anhydrases: Cellular Physiology and Molecular Genetics*, 358
- Dolling, W. R., *The Hemiptera*, 536
- Donald, M., *Origins of the Modern Mind*, 550
- Donovan, S. K. (ed.), *The Processes of Fossilization*, 197
- Doyle, A., et al. (eds.), *Animal Cells*, 359
- Doyle, R. J., and M. Rosenberg (eds.), *Microbial Cell Surface Hydrophobicity*, 49
- Dronamraju, K. R. (ed.), *Selected Genetic Papers of J. B. S. Haldane*, *lead review*, 187
- Drug Discovery: A Casebook and Analysis, by R. A. Maxwell and S. B. Eckhardt, 241
- Drugs of Abuse, Immunity, and Immunodeficiency, ed. by H. Friedman et al., 241
- Dugas, H. (ed.), *Biorganic Chemistry Frontiers, Vol. 2*, 518
- Duncan, C. J. (ed.), *Calcium, Oxygen Radicals and Cellular Damage*, 522
- Dyson, A., and J. Harris (eds.), *Experiments on Embryos*, *lead review*, 501

- Early Development of *Xenopus Laevis*: An Atlas of the Histology, by P. Hausen and M. Riebesell, 365
- Eberhart, R. C., and R. W. Dobbins (eds.), Neural Network PC Tools: A Practical Guide, 79
- Ecological and Evolutionary Genetics of *Drosophila*, ed. by J. S. F. Barker et al., 203
- Ecological Effects of Thermal Discharges, by T. E. L. Langford, 232
- Ecological Heterogeneity, ed. by J. Kolasa and S. T. A. Pickett, 228
- Ecology and Classification of North American Freshwater Invertebrates, ed. by J. H. Thorp and A. P. Covich, 383
- Ecology of Desert Communities, ed. by G. A. Polis, 393
- Ecology of the Ancient Greek World, by R. Salares, 351
- Ecophysiology of Desert Arthropods and Reptiles, by J. L. Cloudsley-Thompson, 547
- Ecosystem Approach in Anthropology: From Concept to Practice, ed. by E. F. Moran, 236
- Ecotones: The Role of Landscape Boundaries in the Management and Restoration of Changing Environments, ed. by M. M. Holland et al., 394
- Edelman, G. M., et al. (eds.), Morphoregulatory Molecules, 49
- Edelman, G. M., et al. (eds.), Signal and Sense: Local and Global Order in Perceptual Maps, 552
- Edlefsen, L. E., et al., Axum, Version 1.2, *software*, 425
- Education and Training in the Care and Use of Laboratory Animals: A Guide for Developing Institutional Programs, by the Committee on Educational Programs in Laboratory Animal Science et al., 94
- Edwards, R., Life Before Birth: Reflections on the Embryo Debate, *lead review*, 501
- Egalitarians—Human and Chimpanzee: An Anthropological View of Social Organization, by M. Power, 555
- Elberfeld, J., Protists as Indicators of Pollution, *software*, 424
- Electron Microscopy: Principles and Techniques for Biologists, by J. J. Bozzola and L. D. Russell, 247
- Elements of Molecular Neurobiology, by C. U. M. Smith, 76
- Elliott, M., and J.-P. Ducrottoy (eds.), Estuaries and Coasts: Spatial and Temporal Intercomparisons, 224
- Ellis, M. B., and J. P. Ellis, Fungi Without Gills (Hymenomycetes and Gasteromycetes): An Identification Handbook, 374
- El-Sabh, M. I., and N. Silverberg (eds.), Oceanography of a Large-Scale Estuarine System: The St. Lawrence, 220
- Embryos, Genes, and Evolution: The Developmental-Genetic Basis of Evolutionary Change, by R. A. Raff and T. C. Kaufman, 362
- Emergence of Modern Humans: An Archaeological Perspective, ed. by P. Mellars, 90
- Emmel, T. C., et al., Florissant Butterflies: A Guide to the Fossil and Present-Day Species of Central Colorado, 535
- Emmons, L. H., Neotropical Rainforest Mammals: A Field Guide, 218
- Engineering Design of the Cardiovascular System of Mammals, by T. H. Dawson, 243
- Environmental and Metabolic Animal Physiology, ed. by C. L. Prosser, 4th ed., 377
- Ergot Alkaloids: Chemistry, Biological Effects, Biotechnology, by Z. Reháček and P. Sajdl, 357
- Essential Medical Physiology, ed. by L. R. Johnson, 564
- Essentials of Neural Development, by M. C. Brown et al., rev. ed., 233
- Estuaries and Coasts: Spatial and Temporal Intercomparisons, ed. by M. Elliott and J.-P. Ducrottoy, 224
- Etheridge, R., and E. E. Williams, A Review of the South American Lizard Genera *Urostrophus* and *Anisolepis* (Squamata: Iguania: Polychridae), 217
- Evans, A. S. (ed.), Viral Infections of Humans: Epidemiology and Control, 3rd ed., 89
- Evolucion Biologica, ed. by H. F. Hoenigsberg, Vol. IV, 206
- Evolution, by M. W. Strickberger, 205
- Evolution and the Fossil Record, ed. by K. Allen and D. Briggs, 43
- Evolutionary Genetics and Environmental Stress, by A. A. Hoffmann and P. A. Parsons, 363
- Evolution at the Molecular Level, ed. by R. K. Selander et al., 52
- Evolution of Life: Fossils, Molecules, and Culture, ed. by S. Osawa and T. Honjo, 196
- Evolution of the Vertebrates, by E. H. Colbert and M. Morales, 4th ed., 514

- Expansion of American Biology, ed. by K. R. Benson et al., 192
- Experiments on Embryos, ed. by A. Dyson and J. Harris, *lead review*, 501
- Faden, R. B., The Morphology and Taxonomy of *Aneilema* R. Brown (Commelinaceae), 373
- Families and Genera of Vascular Plants, ed. by K. Kubitzki, Vol. I (Pteridophytes and Gymnosperms), 59
- Fan, H. Y., et al. (eds.), Viruses that Affect the Immune System, 415
- Farley, J., Bilharzia: A History of Imperial Tropical Medicine, 411
- Feigin, A., et al., Irrigation with Treated Sewage Effluent: Management for Environmental Protection, 73
- Ferson, S., RAMAS/stage, *software*, 569
- french, R., A Guide to the Birds of Trinidad & Tobago, 2nd ed., 538
- Fidia Research Foundation Neuroscience Award Lectures, Volume 4: 1988-1989, by J.-P. Changeux et al., 234
- Field Guide to the Acacias of Kenya, by M. Coe and H. Beentje, 531
- Field-Scale Water and Solute Flux in Soils, ed. by K. Roth et al., 395
- Fifty Years of Genetic Load: An Odyssey, by B. Wallace, 362
- Fig. P—The Scientific Figure Processor, by R. J. Sebaldt, *software*, 99
- Fillenz, M., Noradrenergic Neurons, 78
- Finch, C. E., Longevity, Senescence, and the Genome, 201
- Fincham, J. R. S., and J. R. Ravetz, Genetically Engineered Organisms: Benefits and Risks, 201
- Fineschi, S., et al. (eds.), Biochemical Markers in the Population Genetics of Forest Trees, 212
- Fine Structure of the Nervous System: Neurons and Their Supporting Cells, by A. Peters et al., 3rd ed., 80
- Finlay, B. L., et al. (eds.), The Neocortex: Ontogeny and Phylogeny, 78
- Fishes of the Southern Ocean, ed. by O. Gon and P. C. Heemstra, 220
- Flader, S. L., and J. B. Callicott (eds.), The River of the Mother of God and Other Essays by Aldo Leopold, 42
- Flannery, M. C., Bitten by the Biology Bug, Monograph VI, 352
- Flechtenflora Kranker Nadelbäume im Nord-schwarzwald: Ökologische Untersuchungen zur Differenzierung Zwischen Immissionsbelastung und Epidemischer Erkrankung, by A. K. Gliemeroth, 232
- Flora of the Outer Hebrides, by R. J. Pankhurst and J. M. Mullin, 530
- Florissant Butterflies: A Guide to the Fossil and Present-Day Species of Central Colorado, by T. C. Emmel et al., 535
- Forage in Ruminant Nutrition, by D. J. Minson, 219
- Forest Management in Australia, ed. by F. H. McKinnell et al., 396
- Forest Trees, by the Committee on Managing Global Genetic Resources: Agricultural Imperatives et al., 388
- Foundations of Ecology: Classic Papers with Commentaries, ed. by L. A. Real and J. H. Brown, 227
- Franks, F. (ed.), Water Science Reviews 5: The Molecules of Life, 357
- Freeze Fracture Images of Cells and Tissues, by R. L. Roberts et al., 522
- French Paracelsians, by A. G. Debus, 511
- Friedman, H., et al. (eds.), Drugs of Abuse, Immunity, and Immunodeficiency, 241
- Friedman, H. S., The Self-Healing Personality: Why Some People Achieve Health and Others Succumb to Illness, 407
- Fritsch, R., Index to Bryophyte Chromosome Counts, 200
- From Egg to Embryo: Regional Specification in Early Development, by J. M. W. Slack, 2nd ed., 206
- From Gaia to Selfish Genes: Selected Writings in the Life Sciences, ed. by C. Barlow, 512
- Frontiers in Mycology, ed. by D. L. Hawksworth, 373
- Functional Biology of Sea Anemones, by J. M. Shick, 386
- Function and Specificity of γ/δ T Cells, ed. by K. Pfeffer et al., 415
- Fungi Without Gills (Hymenomycetes and Gasteromycetes): An Identification Handbook, by M. B. Ellis and J. P. Ellis, 374
- GABA_B Receptors in Mammalian Function, ed. by N. G. Bowery et al., 401
- Gage, J. D., and P. A. Tyler, Deep-Sea Biology: A Natural History of Organisms at the Deep-Sea Floor, 224

- Gajjar, Y., et al., *StatXact, software*, 100
- Galápagos Marine Invertebrates: Taxonomy, Biogeography, and Evolution in Darwin's Islands, ed. by M. J. James, 541
- Galati, R., Golden-Crowned Kinglets: Treetop Nesters of the North Woods, 43
- Gastrointestinal and Nutritional Manifestations of the Acquired Immunodeficiency Syndrome, ed. by D. P. Kotler, 238
- Gehu, J.-M. (ed.), *Phytosociologie et Paysage*, 213
- Geissler, U., et al. (eds.), Contributions to the Knowledge of Microalgae Particularly Diatoms, 211
- GeneJockey: Sequence Processor, by P. L. Taylor, *software*, 423
- Gene Rearrangement, ed. by B. D. Hames and D. M. Glover, 198
- Genes & Genomes: A Changing Perspective, by M. Singer and P. Berg, 53
- Genes, Embryos, and Human Values [*a consideration of three books*], by B. Glass, *lead review*, 501
- Gene Structure and Expression, by J. D. Hawkins, 2nd ed., 204
- Genethics: The Clash between the New Genetics and Human Values, by D. Suzuki and P. Knudtson, *lead review*, 501
- Genetically Engineered Organisms: Benefits and Risks, by J. R. S. Fincham and J. R. Ravetz, 201
- Genetic and Ecological Diversity: The Sport of Nature, by L. M. Cook, 524
- Genetic and Physical Mapping, ed. by K. E. Davies and S. M. Tilghman, 51
- Genetic Basis of Plant Physiological Processes, by J. King, 374
- Genetics and Evolution of the Domestic Fowl, by L. Stevens, 523
- Genetics and Human Nutrition, ed. by P. J. Randle et al., 557
- Genetics and Product Formation in *Streptomyces*, ed. by S. Baumberg et al., 528
- Genetic Variants and Strains of the Laboratory Mouse, ed. by M. F. Lyon and A. G. Searle, 2nd ed., 53
- Genetic Variation and Disorders in Peoples of African Origin, by J. E. Bowman and R. F. Murray, Jr., 84
- Genus *Clavariadelphus* in North America, by A. S. Methven, 211
- Geraci, J. R., and D. J. St. Aubin (eds.), *Sea Mammals and Oil: Confronting the Risks*, 68
- Getchell, T. V., et al. (eds.), *Smell and Taste in Health and Disease*, 406
- Gibbons, J. W., and R. D. Semlitsch, *Guide to the Reptiles and Amphibians of the Savannah River Site*, 216
- Gilbert, D. L., et al. (eds.), *Squid as Experimental Animals*, 215
- Gilbert, S. F., *Developmental Biology*, 3rd ed., 207
- Gill, G. J., *Seasonality and Agriculture in the Developing World: A Problem of the Poor and Powerless*, 549
- Ginzburg, L. R. (ed.), *Assessing Ecological Risks of Biotechnology*, 229
- Glass, B., *Genes, Embryos, and Human Values [a consideration of three books]*, *lead review*, 501
- Glass, L., et al. (eds.), *Theory of Heart: Biomechanics, Biophysics, and Nonlinear Dynamics of Cardiac Function*, 243
- Gliemerth, A. K., *Die Flechtenflora Kranker Nadelbäume im Nordschwarzwald: Ökologische Untersuchungen zur Differenzierung Zwischen Immissionsbelastung und Epidemischer Erkrankung*, 232
- Global Climate Change and Life on Earth, ed. by R. L. Wyman, 386
- Global Ecology, by C. Tudge, 387
- Global Forest Resources, by A. S. Mather, 72
- Glorieux, F. H. (ed.), *Rickets*, 237
- Golden-Crowned Kinglets: Treetop Nesters of the North Woods, by R. Galati, 43
- Goldsmith, B. (ed.), *Monitoring for Conservation and Ecology*, 228
- Goldsmith, T. H., *The Biological Roots of Human Nature: Forging Links between Evolution and Behavior*, 562
- Goldstein, R. S., et al. (eds.), *Toxic Interactions*, 243
- Golub, E. S., and D. R. Green, *Immunology: A Synthesis*, 2nd ed., 417
- Gon, O., and P. C. Heemstra (eds.), *Fishes of the Southern Ocean*, 220
- Gotlieb, A. I., et al. (eds.), *Atherosclerosis: Cellular and Molecular Interactions in the Artery Wall*, 565
- Gotto, A. M., Jr., and R. Paoletti (eds.), *Triglycerides: The Role in Diabetes and Atherosclerosis*, 413
- GRAFTOOL: Graphical Analysis System, by 3-D Visions, Version 3.3, *software*, 424
- Greater Yellowstone Ecosystem: Redefining America's Wilderness Heritage, ed. by R. B. Keiter and M. S. Boyce, 396

- Great South Bay, ed. by J. R. Schubel et al., 389
- Grünlandgesellschaften und Grünlandbrachen in der Nordbadischen Rheinaue, by P. Thomas, 211
- Guide to the Birds of Alaska, by R. H. Armstrong, rev. ed., 64
- Guide to the Birds of Nepal, by C. Inskipp and T. Inskipp, 2nd ed., 537
- Guide to the Birds of Trinidad & Tobago, by R. French, 2nd ed., 538
- Guide to the Reptiles and Amphibians of the Savannah River Site, by J. W. Gibbons and R. D. Semlitsch, 216
- Günther, E., et al. (eds.), *Allgemeine Biologie* 7, 194
- Gupta, S., et al. (eds.), *Mechanisms of Lymphocyte Activation and Immune Regulation III: Developmental Biology of Lymphocytes*, 244
- Gurr, M. I., and J. L. Harwood, *Lipid Biochemistry: An Introduction*, 4th ed., 45
- Habitat Structure: The Physical Arrangement of Objects in Space, ed. by S. S. Bell et al., 73
- Hair of West-European Mammals: Atlas and Identification Key, by B. J. Teerink, 377
- Hames, B. D., and D. M. Glover (eds.), *Gene Rearrangement*, 198
- Handbook of Applied Mycology, ed. by D. K. Arora et al., Vol. 1 (Soil and Plants), 212
- Handbook of Neural Computing Applications, by A. J. Maren et al., 552
- Handbook of New Guinea Marsupials & Monotremes, by J. Menzies, 539
- Handbuch der Vögel der Sowjetunion, ed. by V. D. Il'ičev and V. A. Zubakin, Band 6, Teil 1 [Charadriiformes/Lari: Stercorariidae, Laridae (Larinae und Sterminae)], 63
- Hardie, D. G., *Biochemical Messengers: Hormones, Neurotransmitters and Growth Factors*, 360
- Hardy, M. A., and R. K. H. Kinne (eds.), *Biology and Medicine into the 21st Century*, 563
- Harris, C. C., et al. (eds.), *Cellular and Molecular Aspects of Fiber Carcinogenesis*, 361
- Harris, J. R. (ed.), *Blood Cell Biochemistry*, Vol. 1 (Erythroid Cells), 94
- Harrison, C. S., *Seabirds of Hawaii: Natural History and Conservation*, 223
- Hausen, P., and M. Riebesell, *The Early Development of Xenopus Laevis: An Atlas of the Histology*, 365
- Hausser, K. H., and H. R. Kalbitzer, *NMR in Medicine and Biology: Structure Determination, Tomography, In Vivo Spectroscopy*, 565
- Hawkins, J. D., *Gene Structure and Expression*, 2nd ed., 204
- Hawks, Eagles, & Falcons of North America: Biology and Natural History, by P. A. Johnsgard, 64
- Hawksworth, D. L. (ed.), *Frontiers in Mycology*, 373
- Heath, I. B. (ed.), *Tip Growth in Plant and Fungal Cells*, 361
- Heimer, S., and W. Nentwig, *Spinnen Mitteleuropas: Ein Bestimmungsbuch*, 537
- Heinen, U., *Mitochondriale Genexpression bei Pilzen: Molekulare Analysen zur Nukleozytoplasmatischen Wechselwirkung*, 198
- Heird, W. C. (ed.), *Nutritional Needs of the Six to Twelve Month Old Infant*, 559
- Hellemans, A., and B. Bunch, *The Timetables of Science*, 245
- Hematology, ed. by W. S. Beck, 5th ed., 417
- Hemiptera, by W. R. Dolling, 536
- Hepadnaviruses: Molecular Biology and Pathogenesis, ed. by W. S. Mason and C. Seeger, 409
- Hepper, P. G. (ed.), *Kin Recognition*, 556
- Hérons of Europe, by C. Voisin, 538
- Herrmann, R. G., and B. A. Larkins (eds.), *Plant Molecular Biology* 2, 371
- Heston, L. L., and J. A. White, *The Vanishing Mind*, 402
- Heterochrony: The Evolution of Ontogeny, by M. L. McKinney and K. J. McNamara, *lead review*, 498
- Higashi, M., and T. P. Burns (eds.), *Theoretical Studies of Ecosystems: The Network Perspective*, 227
- Hilborn, R., and C. J. Walters, *Quantitative Fisheries Stock Assessment: Choice, Dynamics and Uncertainty*, 543
- Hilderson, H. J. (ed.), *Subcellular Biochemistry*, Vol. 16 (Intracellular Transfer of Lipid Molecules), 48
- Himes, J. H. (ed.), *Anthropometric Assessment of Nutritional Status*, 88
- Histology for Pathologists, ed. by S. S. Sternberg, 416
- History of a Voyage to the Land of Brazil, Otherwise Called America, by J. de Léry (transl. by J. Whately), 40

- History of Biology: A Selected, Annotated Bibliography, by J. A. Overmier, 350
- Hlavica, P., and L. A. Damani (eds.), Biological Oxidation of Nitrogen in Organic Molecules, 519
- Hochberg, R. B., and F. Naftolin (eds.), The New Biology of Steroid Hormones, 416
- Hoenigsberg, H. F. (ed.), *Evolucion Biologica*, Vol. IV, 206
- Hoffmann, A. A., and P. A. Parsons, Evolutionary Genetics and Environmental Stress, 363
- Holland, M. M., et al. (eds.), Ecotones: The Role of Landscape Boundaries in the Management and Restoration of Changing Environments, 394
- Hookworm Disease: Current Status and New Directions, ed. by G. A. Schad and K. S. Warren, 239
- Hormones: From Molecules to Disease, ed. by E.-E. Baulieu and P. A. Kelly, 242
- Hostettmann, K. (ed.), Methods in Plant Biochemistry, Vol. 6 (Assays for Bioactivity), 45
- Houses for Science: A Pictorial History of Cold Spring Harbor Laboratory, by E. L. Watson, 513
- Hulme, E. C. (ed.), Receptor Biochemistry: A Practical Approach, 46
- Hulme, E. C. (ed.), Receptor-Effector Coupling: A Practical Approach, 200
- Hulton, P., et al., Luigi Balugani's Drawings of African Plants: From the Collection Made by James Bruce of Kinnaird on His Travels to Discover the Source of the Nile 1767-1773, 58
- Human Osteology, by T. D. White, 412
- Human Paleopathology: Current Syntheses and Future Options, ed. by D. J. Ortner and A. C. Aufderheide, 353
- Humber, J. M., and R. F. Almeder (eds.), Biomedical Ethics Reviews—1990, 506
- Humphreys, L. R., Tropical Pasture Utilization, 392
- Hutzing, O. (ed.), The Natural Environment and the Biogeochemical Cycles, 390
- HyperCELL, by G. R. Williams, *software*, 97
- Identification of the CF (Cystic Fibrosis) Gene: Recent Progress and New Research Strategies, ed. by L.-C. Tsui et al., 237
- Ilićev, V. D., and V. A. Zubakin (eds.), Handbuch der Vögel der Sowjetunion, Band 6, Teil 1 [Charadriiformes/Lari: Stercorariidae, Laridae (Larinae und Sterninae)], 63
- Imes, R., The Practical Botanist, 373
- Immunochemistry of Man, by G. Kwapinski, 86
- Immunogenetics of the Major Histocompatibility Complex, ed. by R. Srivastava et al., 525
- Immunology: A Short Course, by E. Benjamini and S. Leskowitz, 2nd ed., 409
- Immunology: A Synthesis, by E. S. Golub and D. R. Green, 2nd ed., 417
- Index to Bryophyte Chromosome Counts, by R. Fritsch, 200
- Infectious Diseases of Mice and Rats, by the Committee on Infectious Diseases of Mice and Rats et al., 219
- Innocent Assassins: Biological Essays on Life in the Present and Distant Past, by B. Kurtén (transl. by B. Kurtén and E. J. Friis), 42
- Insectivora: With a Stereotaxic Atlas of the Hedgehog Brain, by H. Stephan et al., 554
- Insect Neuropeptides: Chemistry, Biology, and Action, ed. by J. J. Menn et al., 401
- Insects of Australia: A Textbook for Students and Research Workers, Vols. I and II, 2nd ed., 536
- In Situ* Hybridization: Principles and Practice, ed. by J. M. Polak and J. O'D. McGee, 47
- Inskipp, C., and T. Inskipp, A Guide to the Birds of Nepal, 2nd ed., 537
- International Code of Nomenclature of Bacteria and Statutes of the International Committee on Systematic Bacteriology and Statutes of the Bacteriology and Applied Microbiology Section of the International Union of Microbiological Societies, ed. by S. P. Lapage et al., 528
- Interpretation and Explanation in the Study of Animal Behavior, ed. by M. Bekoff and D. Jamieson, Vol. I (Interpretation, Intentionality, and Communication) and Vol. II (Explanation, Evolution, and Adaptation), 82
- Interpreting Evolution: Darwin & Teilhard de Chardin, by H. J. Birk, 191
- Introduction of Genetically Modified Organisms into the Environment, ed. by H. A. Mooney and G. Bernardi, 364
- Introduction to Evolutionary Ecology, by A. Cockburn, 545
- Introduction to Protein Structure, by C. Branden and J. Tooze, 44
- Invertebrates, by R. C. Brusca and G. J. Brusca, 215

- Invertebrate Zoology, by P. A. Meglitsch and F. R. Schram, 3rd ed., 67
- Ions, Electrodes, and Membranes, by J. Koryta, 2nd ed., 523
- Irrigation with Treated Sewage Effluent: Management for Environmental Protection, by A. Feigin et al., 73
- Islands, Plants, and Polynesians: An Introduction to Polynesian Ethnobotany, ed. by P. A. Cox and S. A. Banack, 559
- Issues in Psychobiology, by C. R. Legg, 83
- James, M. J. (ed.), Galápagos Marine Invertebrates: Taxonomy, Biogeography, and Evolution in Darwin's Islands, 541
- Jandel Scientific, TableCurve, Version 3.0, *software*, 571
- Jansson, R. K., and K. V. Raman (eds.), Sweet Potato Pest Management: A Global Perspective, 548
- Jefferson-Brown, M., Narcissus, 213
- Ji, S. (ed.), Molecular Theories of Cell Life and Death, 521
- Johns, T., With Bitter Herbs They Shall Eat It, 408
- Johnsgard, P. A., Crane Music: A Natural History of American Cranes, 380
- , Hawks, Eagles, & Falcons of North America: Biology and Natural History, 64
- Johnson, L. R. (ed.), Essential Medical Physiology, 564
- Jones, J. G. W., and P. R. Street (eds.), Systems Theory Applied to Agriculture and the Food Chain, 392
- Kaufmann, S. H. E. (ed.), T-Cell Paradigms in Parasitic and Bacterial Infections, 238
- Kay, E. A., and O. Schoenberg-Dole, Shells of Hawai'i, 223
- Keast, A. (ed.), Biogeography and Ecology of Forest Bird Communities, 390
- Keenleyside, M. H. A. (ed.), Cichlid Fishes: Behaviour, Ecology and Evolution, 221
- Keiter, R. B., and M. S. Boyce (eds.), The Greater Yellowstone Ecosystem: Redefining America's Wilderness Heritage, 396
- Kelley, J. P. (ed.), Applications of Cryogenic Technology, Vol. 10, 418
- Kelly, W. L., Psychology of the Unconscious: Mesmer, Janet, Freud, Jung, and Current Issues, 195
- Keyes, C. D., and W. E. Wiest (eds.), New Harvest: Transplanting Body Parts and Reaping the Benefits, 348
- King, J., The Genetic Basis of Plant Physiological Processes, 374
- King, M., Animal Cytogenetics, Vol. 4 (Chordata 2: Amphibia), 47
- Kingdon, J., Arabian Mammals: A Natural History, 376
- Kingsbury, D. W. (ed.), The Paramyxoviruses, 208
- Kin Recognition, ed. by P. G. Hepper, 556
- Kirk, K. L., Biochemistry of Halogenated Organic Compounds, 357
- , Biochemistry of the Elemental Halogens and Inorganic Halides, 357
- Kitchener, A., The Natural History of the Wild Cats, 379
- Kleber, H.-P., and D. Schlee, Biochemie, Teil 1 (Allgemeine und funktionelle Biochemie), 2nd ed., 198
- Klein, E., Affinity Membranes: Their Chemistry and Performance in Adsorptive Separation Processes, 356
- Klucking, E. P., Leaf Venation Patterns, Vol. 5 (Combretaceae), 374
- Kocková-Kratochvílová, A., Yeasts and Yeast-Like Organisms, 2nd ed., 57
- Kohlstedt, S. G. (ed.), The Origins of Natural Science in America: The Essays of George Brown Goode, 505
- Kolakofsky, D. (ed.), Bunyaviridae, 370
- Kolasa, J., and S. T. A. Pickett (eds.), Ecological Heterogeneity, 228
- Korites, B. J., Computer Models of the Environment, *software*, 98
- Korschelt, E.; ed. by B. M. Carlson, Regeneration and Transplantation, Vol. I (Regeneration); Vol. II, Parts 1 and 2 (Transplantation, With Special Reference to Explanation, Plant Grafting and Parabiosis), 510
- Koryta, J., Ions, Electrodes, and Membranes, 2nd ed., 523
- Kotler, D. P. (ed.), Gastrointestinal and Nutritional Manifestations of the Acquired Immunodeficiency Syndrome, 238
- Krasnegor, N. A., et al. (eds.), Biological and Behavioral Determinants of Language Development, 561
- Krebs, W., and I. Krebs, Primate Retina and Choroid: Atlas of Fine Structure in Man and Monkey, 234

- Kubitzki, K. (ed.), The Families and Genera of Vascular Plants, Vol. I (Pteridophytes and Gymnosperms), 59
- Kumar, H. D., A Textbook on Biotechnology, 516
- Kümmerling, H., Zur Kenntnis der Flechtenflora am Hohen Meissner und in seinem Vorland (Hessen) Unter Besonderer Berücksichtigung Chemischer Merkmale, 60
- Kurstak, E., et al. (eds.), Applied Virology Research, Vol. 2 (Virus Variability, Epidemiology, and Control), 93
- Kurtén, B., The Innocent Assassins: Biological Essays on Life in the Present and Distant Past (transl. by B. Kurtén and E. J. Friis), 42
- Kwapinski, G., The Immunochemistry of Man, 86
- LaFollette, M. C., Making Science Our Own: Public Images of Science, 1910-1955, 511
- Lake Tanganyika and Its Life, ed. by G. W. Coulter, 540
- Lam, D. M.-K., and C. J. Shatz (eds.), Development of the Visual System, 80
- Landau, M., Narratives of Human Evolution, 86
- Land Degradation: Development and Breakdown of Terrestrial Environments, by C. J. Barrow, 395
- Langford, T. E. L., Ecological Effects of Thermal Discharges, 232
- Lapage, S. P., et al. (eds.), International Code of Nomenclature of Bacteria and Statutes of the International Committee on Systematic Bacteriology and Statutes of the Bacteriology and Applied Microbiology Section of the International Union of Microbiological Societies, 528
- Larsen, T. B., The Butterflies of Kenya and Their Natural History, 535
- "Larval" and Juvenile Cephalopods: A Manual for Their Identification, ed. by M. J. Sweeney et al., 541
- Leaf Venation Patterns, by E. P. Klucking, Vol. 5 (Combretaceae), 374
- Leaving Eden: To Protect and Manage the Earth, by E. G. Nisbet, 546
- Lee, A. K., et al. (eds.), Biology of the Koala, 379
- Legg, C. R., Issues in Psychobiology, 83
- Lehane, M. J., Biology of Blood-Sucking Insects, 536
- Lehrbuch der Allgemeinen Cytogenetik, by G. Linnert, 360
- Lehrbuch der Tierphysiologie, by H. Penzlin, Vol. 5, 215
- Lenci, F., et al. (eds.), Biophysics of Photoreceptors and Photomovements in Microorganisms, 366
- Lesk, A. M., Protein Architecture: A Practical Approach, 518
- Letourneau, P. C., et al. (eds.), The Nerve Growth Cone, 398
- Levi, H. W., The Neotropical and Mexican Species of the Orb-Weaver Genera *Araneus*, *Dubiepeira*, and *Aculepeira* (Araneae: Araneidae), 67
- Lichius, J. J., Phytochemische Analyse Seltener Digitalisarten (Wie *Digitalis Subalpina* Br.-Bl.) und Reziproker Digitaliskreuzungen, 61
- Licht- und Elektronenmikroskopische Untersuchungen zum Infektionsablauf der Gunnera-Nostoc-Symbiose, by H. Schmidt, 371
- Lieberman, P., Uniquely Human: The Evolution of Speech, Thought, and Selfless Behavior, 85
- Life Before Birth: Reflections on the Embryo Debate, by R. Edwards, *lead review*, 501
- Life of the Pigeon, by A. F. Skutch, 380
- Limnological Analyses, by R. G. Wetzel and G. E. Likens, 2nd ed., 69
- Lindberg, D. C., and R. S. Westman (eds.), Reappraisals of the Scientific Revolution, 509
- Lindberg, S. E., et al. (eds.), Acidic Precipitation, Vol. 3 (Sources, Deposition, and Canopy Interactions), 230
- Linder, M. C., Biochemistry of Copper, 519
- Linder, M. C. (ed.), Nutritional Biochemistry and Metabolism: With Clinical Applications, 2nd ed., 557
- Linnert, G., Lehrbuch der Allgemeinen Cytogenetik, 360
- Lipid Biochemistry: An Introduction, by M. I. Gurr and J. L. Harwood, 4th ed., 45
- Liposits, Z., Ultrastructural Immunocytochemistry of the Hypothalamic Corticotropin Releasing Hormone Synthesizing System: Anatomical Basis of Neuronal and Humoral Regulatory Mechanisms, 242
- Living Fossil: The Story of the Coelacanth, by K. S. Thomson, 71
- Longevity, Senescence, and the Genome, by C. E. Finch, 201
- Lord Kelvin and the Age of the Earth, by J. D. Burchfield, 41
- Lovell, N. C., Patterns of Injury and Illness in Great Apes: A Skeletal Analysis, 65

- Luckner, M., Secondary Metabolism in Microorganisms, Plants, and Animals, 3rd rev. ed., 355
- Luigi Balugani's Drawings of African Plants: From the Collection Made by James Bruce of Kinnaird on His Travels to Discover the Source of the Nile 1767-1773, by P. Hulton et al., 58
- Lyon, M. F., and A. G. Searle (eds.), Genetic Variants and Strains of the Laboratory Mouse, 2nd ed., 53
- Major Evolutionary Radiations, ed. by P. D. Taylor and G. P. Larwood, 52
- Making Science Our Own: Public Images of Science, 1910-1955, by M. C. LaFollette, 511
- Mammals of the Southern African Subregion, by J. D. Skinner and R. H. N. Smithers, 2nd ed., 540
- Managing Global Genetic Resources: The U. S. National Plant Germplasm System, by the Committee on Managing Global Genetic Resources: Agricultural Imperatives et al., 210
- Man & Beast Revisited, ed. by M. H. Robinson and L. Tiger, 83
- Manley, G. A., Peripheral Hearing Mechanisms in Reptiles and Birds, 216
- Manly, B. F. J., Randomization and Monte Carlo Methods in Biology, 419
- , Stage-Structured Populations: Sampling, Analysis and Simulation, 230
- Marek, M., and I. Schreiber, Chaotic Behaviour of Deterministic Dissipative Systems, 567
- Maren, A. J., et al., Handbook of Neural Computing Applications, 552
- Margulis, L., and R. Fester (eds.), Symbiosis as a Source of Evolutionary Innovation: Speciation and Morphogenesis, 524
- Marine Interstitial Ciliates: An Illustrated Key, by P. G. Carey, 542
- Markan, K., and U. Fischer, Untersuchungen zur Immissionsbelastung der Berliner Forsten: Deposition und Bioindikation, 61
- Mark/Recapture Sampling Simulation, by Oakleaf Systems, *software*, 254
- Marshall, K. C. (ed.), Advances in Microbial Ecology, Vol. 11, 209
- Marx, J. L. (ed.), A Revolution in Biotechnology, 517
- Mascie-Taylor, C. G. N. (ed.), Biosocial Aspects of Social Class, 85
- Mason, W. S., and C. Seeger (eds.), Hepadnaviruses: Molecular Biology and Pathogenesis, 409
- Maternal Mortality: A Global Factbook, compiled by C. AbouZahr and E. Royston, 561
- Mathematical and Computer Modeling of Physiological Systems, by V. C. Rideout, 563
- Mathematical Ecology of Plant Species Competition: A Class of Deterministic Models for Binary Mixtures of Plant Genotypes, by A. G. Pakes and R. A. Maller, 230
- Mather, A. S., Global Forest Resources, 72
- Matthews, G. G., Cellular Physiology of Nerve and Muscle, 2nd ed., 521
- Mauseth, J. D., Botany: An Introduction to Plant Biology, 59
- Maxwell, R. A., and S. B. Eckhardt, Drug Discovery: A Casebook and Analysis, 241
- Mayr, E., and P. D. Ashlock, Principles of Systematic Zoology, 2nd ed., 531
- Mayr, E., One Long Argument: Charles Darwin and the Genesis of Modern Evolutionary Thought, 190
- McGinn, R. E., Science, Technology, and Society, 566
- McGoodwin, J. R., Crisis in the World's Fisheries: People, Problems, and Policies, 68
- McGucken, W., Biodegradable: Detergents and the Environment, 548
- McIntosh, R. P., Whither Ecology?, *lead review of A Critique for Ecology*, by R. H. Peters, 495
- McKinnell, F. H., et al. (eds.), Forest Management in Australia, 396
- McKinney, M. L., and K. J. McNamara, Heterochrony: The Evolution of Ontogeny, *lead review*, 498
- Meaning of Evolution, by R. J. Richards, 507
- Mechanics and Biophysics of Hearing, ed. by P. Dallos et al., 81
- Mechanisms of Lymphocyte Activation and Immune Regulation III: Developmental Biology of Lymphocytes, ed. by S. Gupta et al., 244
- Megafauna & Man: Discovery of America's Heartland, ed. by L. D. Agenbroad et al., 405
- Meglitsch, P. A., and F. R. Schram, Invertebrate Zoology, 3rd ed., 67
- Mellars, P. (ed.), The Emergence of Modern Humans: An Archaeological Perspective, 90
- Membrane Fusion, ed. by J. Wilschut and D. Hoekstra, 199

- Memory in Mind and Brain: What Dream Imagery Reveals, by M. F. Reiser, 397
- Menn, J. J., et al. (eds.), Insect Neuropeptides: Chemistry, Biology, and Action, 401
- Menzies, J., A Handbook of New Guinea Marsupials & Monotremes, 539
- Methods in Plant Biochemistry, ed. by K. Hostettmann, Vol. 6 (Assays for Bioactivity), 45
- Methven, A. S., The Genus *Clavariadelphus* in North America, 211
- Micklos, D. A., and G. A. Freyer, DNA Science: A First Course in Recombinant DNA Technology, 355
- Microbial Cell Surface Hydrophobicity, ed. by R. J. Doyle and M. Rosenberg, 49
- Microbial Control of Weeds, ed. by D. O. TeBeest, 211
- Microbial Enzymes in Aquatic Environments, ed. by R. J. Chr st, 542
- Microevolution of Fishes: Evolutionary Aspects of Phenetic Diversity, by M. V. Mina, ed. by A. V. Yablokov (transl. by I. Kohli), 205
- MicroMath Scientific Software, DiffEq: Numerical Solution of Differential Equations, *software*, 254
- , MINSQ: Nonlinear Curve Fitting and Model Development, *software*, 570
- , Rstrip: Polyexponential Curve Stripping/Least Squares Parameter Estimation, *software*, 100
- Midbrain Periaqueductal Gray Matter: Functional, Anatomical, and Neurochemical Organization, ed. by A. Depaulis and R. Bandler, 553
- Miflin, B. J. (ed.), Oxford Surveys of Plant Molecular and Cell Biology, Vol. 7 (1991), 531
- Miller, J. Y. (ed.), The Common Names of North American Butterflies, 533
- Mina, M. V., ed. by A. V. Yablokov, Microevolution of Fishes: Evolutionary Aspects of Phenetic Diversity (transl. by I. Kohli), 205
- Minckley, W. L., and J. E. Deacon (eds.), Battle Against Extinction: Native Fish Management in the American West, 542
- Minson, D. J., Forage in Ruminant Nutrition, 219
- MINSQ: Nonlinear Curve Fitting and Model Development, by MicroMath Scientific Software, *software*, 570
- Mitochondriale Genexpression bei Pilzen: Molekulare Analysen zur Nukleo-Zytoplasmatischen Wechselwirkung, by U. Heinen, 198
- Modern Microbial Genetics, ed. by U. N. Streips and R. E. Yasbin, 364
- Modular Deficits in Alzheimer-Type Dementia, ed. by M. F. Schwartz, 87
- Molecular and Cell Biology of Membrane Proteins: Glycolipid Anchors of Cell-Surface Proteins, ed. by A. J. Turner, 45
- Molecular Approaches to Crop Improvement, ed. by E. S. Dennis and D. J. Llewellyn, 370
- Molecular Approaches to Supracellular Phenomena, ed. by S. Roth, 54
- Molecular Biology of Oncogenes and Cell Control Mechanisms, ed. by P. J. Parker and M. Katan, 520
- Molecular Theories of Cell Life and Death, ed. by S. Ji, 521
- Monitoring for Conservation and Ecology, ed. by B. Goldsmith, 228
- Mooney, H. A., and G. Bernardi (eds.), Introduction of Genetically Modified Organisms into the Environment, 364
- Mooney, H. A., et al. (eds.), Response of Plants to Multiple Stresses, 371
- Moore, G. R., and G. W. Pettigrew, Cytochromes C: Evolutionary, Structural and Physicochemical Aspects, 197
- Moran, E. F. (ed.), The Ecosystem Approach in Anthropology: From Concept to Practice, 236
- Morphogenesis: The Cellular and Molecular Processes of Developmental Anatomy, by J. Bard, 55
- Morphology and Taxonomy of *Aneilema* R. Brown (Commelinaceae), by R. B. Faden, 373
- Morphoregulatory Molecules, ed. by G. M. Edelman et al., 49
- Moss, J., and M. Vaughan (eds.), ADP-Ribosylating Toxins and G Proteins: Insights into Signal Transduction, 93
- Motta, M. (ed.), Brain Endocrinology, 2nd ed., 400
- Mow, V. C., and W. C. Hayes, Basic Orthopaedic Biomechanics, 416
- Mrosovsky, N., Rheostasis: The Physiology of Change, 66
- Munro, A. D., et al. (eds.), Reproductive Seasonality in Teleosts: Environmental Influences, 222
- Nakamura, K., and C. A. Child, Pycnogonida from Waters Adjacent to Japan, 225

- Narcissus, by M. Jefferson-Brown, 213
- Narratives of Human Evolution, by M. Landau, 86
- Natural Environment and the Biogeochemical Cycles, ed. by O. Hutzinger, 390
- Natural History of the Wild Cats, by A. Kitchener, 379
- Naturalist in New Guinea, by B. M. Beehler, 74
- Natural Microbial Communities: Ecological and Physiological Features, by T. Yanagita, 56
- Natural Selection: Domains, Levels and Challenges, by G. C. Williams, *lead review*, 343
- Nature Reserves: Island Theory and Conservation Practice, by C. L. Shafer, 72
- Neocortex: Ontogeny and Phylogeny, ed. by B. L. Finlay et al., 78
- Neocortical Development, by S. A. Bayer and J. Altman, 398
- Neotropical and Mexican Species of the Orb-weaver Genera *Araneus*, *Dubiepeira*, and *Aculepeira* (Araneae: Araneidae), by H. W. Levi, 67
- Neotropical Rainforest Mammals: A Field Guide, by L. H. Emmons, 218
- Neotropical Wildlife Use and Conservation, ed. by J. G. Robinson and K. H. Redford, 549
- Nerve Growth Cone, ed. by P. C. Letourneau et al., 398
- Neural and Integrative Animal Physiology, ed. by C. L. Prosser, 4th ed., 377
- Neural Network PC Tools: A Practical Guide, ed. by R. C. Eberhart and R. W. Dobbins, 79
- Neuronal Cytoskeleton, ed. by R. D. Burgoyne, 76
- Neuroscience: An Illustrated Guide, by R. Barker, 551
- New Biology of Steroid Hormones, ed. by R. B. Hochberg and F. Naftolin, 416
- New Flora of the British Isles, by C. Stace, 529
- New Harvest: Transplanting Body Parts and Reaping the Benefits, ed. by C. D. Keyes and W. E. Wiest, 348
- Newman, A., Tropical Rainforest, 388
- New Perspectives in Sponge Biology, ed. by K. Rützler, 385
- New Perspectives on Evolution, ed. by L. Warren and H. Koprowski, 50
- Niederman, M. S. (ed.), Respiratory Infections in the Elderly, 413
- Nijhout, H. F., The Development and Evolution of Butterfly Wing Patterns, 533
- Nisbet, E. G., Leaving Eden: To Protect and Manage the Earth, 546
- NMR in Medicine and Biology: Structure Determination, Tomography, In Vivo Spectroscopy, by K. H. Hausser and H. R. Kalbitzer, 565
- Nobel, P. S., Physicochemical and Environmental Plant Physiology, 211
- Noradrenergic Neurons, by M. Fillenz, 78
- Norton, S. A., et al. (eds.), Acidic Precipitation, Vol. 4 (Soils, Aquatic Processes, and Lake Acidification), 230
- Nossal, G. J. V., and R. L. Coppel, Reshaping Life: Key Issues in Genetic Engineering, 2nd ed., 203
- Novacek, M. J., et al., Wasatchian (Early Eocene) Mammals and Other Vertebrates from Baja California, Mexico: The Lomas Las Tetras de Cabra Fauna, 197
- Nowak, R. M., Walker's Mammals of the World, Vols. I and II, 5th ed., 375
- Nutritional Biochemistry and Metabolism: With Clinical Applications, ed. by M. C. Linder, 2nd ed., 557
- Nutritional Needs of the Six to Twelve Month Old Infant, ed. by W. C. Heird, 559
- Oakleaf Systems, Mark/Recapture Sampling Simulation, *software*, 254
- , Quadrat Sampling Simulation, *software*, 254
- Obe, G., and A. T. Natarajan (eds.), Chromosomal Aberrations: Basic and Applied Aspects, 51
- Oceanography of a Large-Scale Estuarine System: The St. Lawrence, ed. by M. I. El-Sabbh and N. Silverberg, 220
- Ochoa, C. M., The Potatoes of South America: Bolivia (transl. by D. Ugent), 372
- Olduvai Gorge, by P. V. Tobias, Vol. 4 (The Skulls, Endocasts and Teeth of *Homo Habilis*), Parts I-IX, 91
- Oliver, D. R., et al., A Catalog of Nearctic Chironomidae, 216
- Olson, R., Science Deified and Science Defied: The Historical Significance of Science in Western Culture, Vol. 2 (From the Early Modern Age through the Early Romantic Era, ca. 1640 to ca. 1820), 349
- One Long Argument: Charles Darwin and the Genesis of Modern Evolutionary Thought, by E. Mayr, 190
- Orientation in Birds, ed. by P. Berthold, 556

- Origins of Natural Science in America: The Essays of George Brown Goode, ed. by S. G. Kohlstedt, 505
- Origins of the Modern Mind, by M. Donald, 550
- Ortner, D. J., and A. C. Aufderheide (eds.), Human Paleopathology: Current Syntheses and Future Options, 353
- Osawa, S., and T. Honjo (eds.), Evolution of Life: Fossils, Molecules, and Culture, 196
- Overmier, J. A., The History of Biology: A Selected, Annotated Bibliography, 350
- Owen, M., and J. M. Black, Waterfowl Ecology, 70
- Oxford Surveys of Plant Molecular and Cell Biology, ed. by B. J. Milfin, Vol. 7 (1991), 531
- Oygur, S., and G. W. Wolfe, Classification, Distribution, and Phylogeny of North American (North of Mexico) Species of *Gyrinus* Müller (Coleoptera: Gyrinidae), 216
- Pakes, A. G., and R. A. Maller, Mathematical Ecology of Plant Species Competition: A Class of Deterministic Models for Binary Mixtures of Plant Genotypes, 230
- Pankhurst, R. J., and J. M. Mullin, Flora of the Outer Hebrides, 530
- Paramyxoviruses, ed. by D. W. Kingsbury, 208
- Parasite-Host Associations: Coexistence or Conflict?, ed. by C. A. Toft et al., 532
- Pardridge, W. M., Peptide Drug Delivery to the Brain, 402
- Parker, P. J., and M. Katan (eds.), Molecular Biology of Oncogenes and Cell Control Mechanisms, 520
- Patten, B. C. (ed.), Wetlands and Shallow Continental Water Bodies, Vol. 1 (Natural and Human Relationships), 383
- Pattern Formation in Plant Tissues, by T. Sachs, 211
- Patterns of Injury and Illness in Great Apes: A Skeletal Analysis, by N. C. Lovell, 65
- Payne, G., et al., Plant Cell and Tissue Culture in Liquid Systems, 529
- Penguin Biology, ed. by L. S. Davis and J. T. Darby, 65
- Penzlin, H., Lehrbuch der Tierphysiologie, Vol. 5, 215
- Peptide Drug Delivery to the Brain, by W. M. Pardridge, 402
- Peracchia, C. (ed.), Biophysics of Gap Junction Channels, 235
- Peripheral Hearing Mechanisms in Reptiles and Birds, by G. A. Manley, 216
- Perkins, J. P. (ed.), The Beta-Adrenergic Receptors, 233
- Perrins, C. M., et al. (eds.), Bird Population Studies: Relevance to Conservation and Management, 391
- Perry, J. P., Jr., The Pines of Mexico and Central America, 531
- Perspectives in Ethology, ed. by P. P. G. Bateson and P. H. Klopfer, Vol. 9 (Human Understanding and Animal Awareness), 403
- Pesticide Resistance in Arthropods, ed. by R. T. Roush and B. E. Tabashnik, 381
- Peters, A., et al., The Fine Structure of the Nervous System: Neurons and Their Supporting Cells, 3rd ed., 80
- Peters, R. H., A Critique for Ecology, *lead review*, 495
- Pfeffer, K., et al. (eds.), Function and Specificity of γ/δ T Cells, 415
- Phasic Events and Dynamic Organization of Sleep, ed. by M. G. Terzano et al., 84
- Philosophy of Science, ed. by R. Boyd et al., 508
- Photobiology: The Science and Its Applications, ed. by E. Riklis, 522
- Phylogeny and Classification of Birds: A Study in Molecular Evolution, by C. G. Sibley and J. E. Ahlquist, 62
- Physicochemical and Environmental Plant Physiology, by P. S. Nobel, 211
- Physiologie des Winterschlafes, by W. Wünnenberg, 378
- Phytoarchaeology, by R. R. Brooks and D. Johannes, 530
- Phytochemische Analyse Seltener Digitalisarten (Wie *Digitalis Subalpina* Br.-Bl.) und Reziproker Digitaliskreuzungen, by J. J. Lichius, 61
- Phytosociologie et Paysage, ed. by J.-M. Gehu, 213
- Piechocki, R., Die Wildkatze: *Felis silvestris*, 218
- Pigott, C. D., et al.; ed. by J. S. Rodwell, British Plant Communities, Vol. 1 (Woodlands and Scrub), 212
- , British Plant Communities, Vol. 2 (Mires and Heaths), 530
- Pines of Mexico and Central America, by J. P. Perry, Jr., 531
- Plant Cell and Tissue Culture, ed. by A. Stafford and G. Warren, 58
- Plant Cell and Tissue Culture in Liquid Systems, by G. Payne et al., 529

- Plant Growth: Interactions with Nutrition and Environment, ed. by J. R. Porter and D. W. Lawlor, 372
- Plant Molecular Biology 2, ed. by R. G. Herrmann and B. A. Larkins, 371
- Plant Physiology, Biochemistry and Molecular Biology, ed. by D. T. Dennis and D. H. Turpin, 61
- Pleistocene Palaeoecology of Central Norfolk: A Study of Environments through Time, by R. G. West, 515
- Polak, J. M., and J. O'D. McGee (eds.), *In Situ* Hybridization: Principles and Practice, 47
- Polis, G. A. (ed.), The Ecology of Desert Communities, 393
- Population Biology of Sealworm (*Pseudoterranova decipiens*) in Relation to Its Intermediate and Seal Hosts, ed. by W. D. Bowen, 384
- Population Ecology and Genetics, by H. Towner, *software*, 425
- Population Ecology Tutorial, by A. E. Stiven, *software*, 253
- Populus, by D. N. Alstad, *software*, 251
- Porter, J. C., and D. Ježová (eds.), Circulating Regulatory Factors and Neuroendocrine Function, 77
- Porter, J. R., and D. W. Lawlor (eds.), Plant Growth: Interactions with Nutrition and Environment, 372
- Potatoes of South America: Bolivia, by C. M. Ochoa (transl. by D. Ugent), 372
- Power, M., The Egalitarians—Human and Chimpanzee: An Anthropological View of Social Organization, 555
- Practical Botanist, by R. Imes, 373
- Preisinger, H., Strukturanalyse und Zeigerwert der Auen- und Ufervegetation im Hamburger Hafen- und Hafenrandgebiet, 60
- Preston, T. M., et al., The Cytoskeleton and Cell Motility, 359
- Primary Health Care: Public Involvement, Family Medicine, Epidemiology, and Health Economics, ed. by P. Bergerhoff et al., 240
- Primate Responses to Environmental Change, ed. by H. O. Box, 547
- Primate Retina and Choroid: Atlas of Fine Structure in Man and Monkey, by W. Krebs and I. Krebs, 234
- Principles of Systematic Zoology, by E. Mayr and P. D. Ashlock, 2nd ed., 531
- Proceedings of the Michigan Morphometrics Workshop, ed. by F. J. Rohlf and F. L. Bookstein, 418
- Proceedings of the Second International Congress of Dipterology, ed. by L. Weismann et al., 537
- Processes of Fossilization, ed. by S. K. Donovan, 197
- Programmed Cell Death in Tumours and Tissues, by I. D. Bowen and S. M. Bowen, 199
- Progress in Inflammation Research and Therapy, ed. by N. R. Ackerman et al., 564
- Prosser, C. L. (ed.), Environmental and Metabolic Animal Physiology, 4th ed., 377
- (ed.), Neural and Integrative Animal Physiology, 4th ed., 377
- Protein Architecture: A Practical Approach, by A. M. Lesk, 518
- Protein C and Related Anticoagulants, ed. by D. F. Bruley and W. N. Drohan, 566
- Protists as Indicators of Pollution, by J. Elberfeld, *software*, 424
- Psychology of the Unconscious: Mesmer, Janet, Freud, Jung, and Current Issues, by W. L. Kelly, 195
- Public Health Impact of Pesticides Used in Agriculture, by the World Health Organization, 411
- Pycnogonida from Waters Adjacent to Japan, by K. Nakamura and C. A. Child, 225
- Quadrat Sampling Simulation, by Oakleaf Systems, *software*, 254
- Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, by W. H. Schneider, *commentary*, 337
- Quantitative Ecology and Marine Biology, by G. J. Bakus, 382
- Quantitative Fisheries Stock Assessment: Choice, Dynamics and Uncertainty, by R. Hilborn and C. J. Walters, 543
- Quaternary Ecology: A Paleocological Perspective, by H. R. Delcourt and P. A. Delcourt, 545
- Quaternary Landscapes, ed. by L. C. K. Shane and E. J. Cushing, 353
- Raff, R. A., and T. C. Kaufman, Embryos, Genes, and Evolution: The Developmental-Genetic Basis of Evolutionary Change, 362
- Rafflesia*: Magnificent Flower of Sabah, by K. M. Salleh, 61
- RAMAS/space, by H. R. Akçakaya and S. Ferison, *software*, 252

- RAMAS/stage, by S. Ferson, *software*, 569
- Randle, P. J., et al. (eds.), *Genetics and Human Nutrition*, 557
- Randomization and Monte Carlo Methods in Biology, by B. F. J. Manly, 419
- Reading the Shape of Nature: Comparative Zoology at the Agassiz Museum, by M. P. Winsor, 505
- Real, L. A., and J. H. Brown (eds.), *Foundations of Ecology: Classic Papers with Commentaries*, 227
- Reappraisals of the Scientific Revolution, ed. by D. C. Lindberg and R. S. Westman, 509
- Receptor Biochemistry: A Practical Approach, ed. by E. C. Hulme, 46
- Receptor-Effector Coupling: A Practical Approach, ed. by E. C. Hulme, 200
- Regeneration and Transplantation, by E. Korschelt; ed. by B. M. Carlson, Vol. I (Regeneration); Vol. II, Parts 1 and 2 (Transplantation, With Special Reference to Explanation, Plant Grafting and Parabiosis), 510
- Řeháček, Z., and P. Sajdl, *Ergot Alkaloids: Chemistry, Biological Effects, Biotechnology*, 357
- Reilly, P. R., *The Surgical Solution: A History of Involuntary Sterilization in the United States, commentary*, 337
- Reiser, M. F., *Memory in Mind and Brain: What Dream Imagery Reveals*, 397
- Reproductive Seasonality in Teleosts: Environmental Influences, ed. by A. D. Munro et al., 222
- Reshaping Life: Key Issues in Genetic Engineering, by G. J. V. Nossal and R. L. Coppel, 2nd ed., 203
- Respiratory Infections in the Elderly, ed. by M. S. Niederman, 413
- Response of Plants to Multiple Stresses, ed. by H. A. Mooney et al., 371
- Restless Kingdom: An Exploration of Animal Movement, by J. Cooke, 214
- Review of the South American Lizard Genera *Urostrophus* and *Anisolepis* (Squamata: Iguania: Polychridae), by R. Etheridge and E. E. Williams, 217
- Reviews of Environmental Contamination and Toxicology, ed. by G. W. Ware, Vol. 121, 546
- Revolution in Biotechnology, ed. by J. L. Marx, 517
- Rheostasis: The Physiology of Change, by N. Mrosovsky, 66
- Rhizosphere Dynamics, ed. by J. E. Box, Jr. and L. C. Hammond, 73
- Ribosomes and Protein Synthesis: A Practical Approach, ed. by G. Spedding, 198
- Richards, R. J., *The Meaning of Evolution*, 507
- Rickets, ed. by F. H. Glorieux, 237
- Rideout, V. C., *Mathematical and Computer Modeling of Physiological Systems*, 563
- Riklis, E. (ed.), *Photobiology: The Science and Its Applications*, 522
- Risk Analysis: Prospects and Opportunities, ed. by C. Zervos et al., 567
- River of the Mother of God and Other Essays by Aldo Leopold, ed. by S. L. Flader and J. B. Callicott, 42
- Robbins, S. D., Jr., *Wisconsin Birdlife: Population & Distribution, Past & Present*, 216
- Roberts, R. L., et al., *Freeze Fracture Images of Cells and Tissues*, 522
- Robins, A. H., *Biological Perspectives on Human Pigmentation*, 414
- Robinson, J. G., and K. H. Redford (eds.), *Neotropical Wildlife Use and Conservation*, 549
- Robinson, M. H., and L. Tiger (eds.), *Man & Beast Revisited*, 83
- Rodwell, J. S. (ed.); by C. D. Pigott et al., *British Plant Communities, Vol. 1 (Woodlands and Scrub)*, 212
- , *British Plant Communities, Vol. 2 (Mires and Heaths)*, 530
- Rohlf, F. J., and F. L. Bookstein (eds.), *Proceedings of the Michigan Morphometrics Workshop*, 418
- Rose, A. H., and J. S. Harrison (eds.), *The Yeasts, Vol. 4 (Yeast Organelles)*, 2nd ed., 368
- Rosen, F. S., et al., *Dictionary of Immunology*, 92
- Rosenberg, R. N. (ed.), *Comprehensive Neurology*, 417
- Rosengarten, F., Jr., *Wilson Popenoe: Agricultural Explorer, Educator, and Friend of Latin America*, 213
- Ross, K. G., and R. W. Matthews (eds.), *The Social Biology of Wasps*, 535
- Roth, K., et al. (eds.), *Field-Scale Water and Solute Flux in Soils*, 395
- Roth, S. (ed.), *Molecular Approaches to Supracellular Phenomena*, 54
- Rothschild, M., *Bionomics: The Inevitability of Capitalism*, 95
- Roush, R. T., and B. E. Tabashnik (eds.), *Pesticide Resistance in Arthropods*, 381

- Rowland, L. P. (ed.), Amyotrophic Lateral Sclerosis and Other Motor Neuron Diseases, 77
- Royer, J. M., Synthèse Eurosibérienne, Phytosociologique et Phytogéographique de la Classe des *Festuco-Brometea*, 372
- Rstrip: Polyexponential Curve Stripping/Least Squares Parameter Estimation, by Micro-Math Scientific Software, *software*, 100
- Rutherford, F. J., and A. Ahlgren, Science for All Americans, 194
- Rutter, R. A. (compiler), Catalogo de Plantas Utiles de la Amazonia Peruana, 2nd rev. ed., 58
- Rützler, K. (ed.), New Perspectives in Sponge Biology, 385
- Saccharomyces*, ed. by M. F. Tuite and S. G. Oliver, 209
- Sachs, T., Pattern Formation in Plant Tissues, 211
- Sallares, R., The Ecology of the Ancient Greek World, 351
- Salleh, K. M., *Rafflesia*: Magnificent Flower of Sabah, 61
- Saltmarsh Ecology, by P. Adam, 70
- Sarapiquí Chronicle: A Naturalist in Costa Rica, by A. M. Young, 513
- Saville, D. J., and G. R. Wood, Statistical Methods: The Geometric Approach, 247
- Schad, G. A., and K. S. Warren (eds.), Hookworm Disease: Current Status and New Directions, 239
- Scheiba, B., Schwimmen, Laufen, Fliegen, 196
- Schistosomes: Development, Reproduction, and Host Relations, by P. F. Basch, 533
- Schmidly, D. J., The Bats of Texas, 539
- Schmidt, H., Licht- und Elektronenmikroskopische Untersuchungen zum Infektionsablauf der Gunnera-Nostoc-Symbiose, 371
- Schneider, S. H., and P. J. Boston (eds.), Scientists on Gaia, 512
- Schneider, W. H., Quality and Quantity: The Quest for Biological Regeneration in Twentieth-Century France, *commentary*, 337
- Schubel, J. R., et al. (eds.), The Great South Bay, 389
- Schwartz, A., and R. W. Henderson, Amphibians and Reptiles of the West Indies: Descriptions, Distributions, and Natural History, 380
- Schwartz, M. F. (ed.), Modular Deficits in Alzheimer-Type Dementia, 87
- Schwermetallaufnahme von *Mnium Hornum* Hedw. im Hinblick auf Seine Eignung als Biomonitor, by M. Clement, 372
- Schwimmen, Laufen, Fliegen, by B. Scheiba, 196
- Science and Its Fabrication, by A. Chalmers, 350
- Science Deified and Science Defied: The Historical Significance of Science in Western Culture, by R. Olson, Vol. 2 (From the Early Modern Age through the Early Romantic Era, ca. 1640 to ca. 1820), 349
- Science for All Americans, by F. J. Rutherford and A. Ahlgren, 194
- Science, Technology, and Society, by R. E. McGinn, 566
- Scientific Visualization and Graphics Simulation, ed. by D. Thalmann, 246
- Scientists on Gaia, ed. by S. H. Schneider and P. J. Boston, 512
- Seabirds of Hawaii: Natural History and Conservation, by C. S. Harrison, 223
- Seafood Safety, ed. by F. E. Ahmed, 411
- Sealy, S. G. (ed.), Auks at Sea, 222
- Sea Mammals and Oil: Confronting the Risks, ed. by J. R. Geraci and D. J. St. Aubin, 68
- Searching Behaviour: The Behavioural Ecology of Finding Resources, by W. J. Bell, 236
- Seasonality and Agriculture in the Developing World: A Problem of the Poor and Powerless, by G. J. Gill, 549
- Sebaldt, R. J., Fig. P—The Scientific Figure Processor, *software*, 99
- Secondary Metabolism in Microorganisms, Plants, and Animals, by M. Luckner, 3rd rev. ed., 355
- Secondary Products from Plant Tissue Culture, ed. by B. V. Charlwood and M. J. C. Rhodes, 60
- Segerstahl, B. (ed.), Chernobyl: A Policy Response Study, 420
- Selander, R. K., et al. (eds.), Evolution at the Molecular Level, 52
- Selected Genetic Papers of J. B. S. Haldane, ed. by K. R. Dronamraju, *lead review*, 187
- Selected Topics in the History of Biochemistry: Personal Recollections, III, ed. by G. Semenza and R. Jaenicke, 516
- Self-Healing Personality: Why Some People Achieve Health and Others Succumb to Illness, by H. S. Friedman, 407
- Semenza, G., and R. Jaenicke (eds.), Selected Topics in the History of Biochemistry: Personal Recollections, III, 516

- Sessions, S. K., *Developmental Evolution: It's All in the Timing, lead review of Heterochrony: The Evolution of Ontogeny*, by M. L. McKinney and K. J. McNamara, 498
- Shafer, C. L., *Nature Reserves: Island Theory and Conservation Practice*, 72
- Shane, L. C. K., and E. J. Cushing (eds.), *Quaternary Landscapes*, 353
- Sharma, J. M. (ed.), *Avian Cellular Immunology*, 244
- Shells of Hawai'i, by E. A. Kay and O. Schoenberg-Dole, 223
- Shepherd, G. M. (ed.), *The Synaptic Organization of the Brain*, 3rd ed., 79
- Shick, J. M., *A Functional Biology of Sea Anemones*, 386
- Sibley, C. G., and J. E. Ahlquist, *Phylogeny and Classification of Birds: A Study in Molecular Evolution*, 62
- Signal and Sense: Local and Global Order in Perceptual Maps, ed. by G. M. Edelman et al., 552
- Siler, T., *Breaking the Mind Barrier: The Art-science of Neurocosmology*, 551
- Simplicity and Complexity in Games of the Intellect, by L. B. Slobodkin, 567
- Singer, M., and P. Berg, *Genes & Genomes: A Changing Perspective*, 53
- Singer, R., et al., *The Boletineae of Mexico and Central America III*, 373
- Skinner, J. D., and R. H. N. Smithers, *The Mammals of the Southern African Subregion*, 2nd ed., 540
- Skutch, A. F., *Life of the Pigeon*, 380
- Slack, J. M. W., *From Egg to Embryo: Regional Specification in Early Development*, 2nd ed., 206
- Slipper Orchids, by C. Cash, 374
- Slobodkin, L. B., *Simplicity and Complexity in Games of the Intellect*, 567
- Smell and Taste in Health and Disease, ed. by T. V. Getchell et al., 406
- Smith, C. H. (ed.), *Alfred Russel Wallace: An Anthology of His Shorter Writings*, 508
- Smith, C. U. M., *Elements of Molecular Neurobiology*, 76
- Social Biology of Wasps, ed. by K. G. Ross and R. W. Matthews, 535
- Sociobiology and Conflict: Evolutionary Perspectives on Competition, Cooperation, Violence and Warfare, ed. by J. van der Denen and V. Falger, 40
- Soil Acidity, ed. by B. Ulrich and M. E. Sumner, 75
- SolvEq, by BIOSOFT, *software*, 255
- Sonntag, O. (ed.), *The Correspondence between Albrecht von Haller and Horace-Bénédict de Saussure*, 510
- Spedding, G. (ed.), *Ribosomes and Protein Synthesis: A Practical Approach*, 198
- Spinnen Mitteleuropas: Ein Bestimmungsbuch, by S. Heimer and W. Nentwig, 537
- Squid as Experimental Animals, ed. by D. L. Gilbert et al., 215
- Srivastava, R., et al. (eds.), *Immunogenetics of the Major Histocompatibility Complex*, 525
- Stace, C., *New Flora of the British Isles*, 529
- Stacey, G., et al. (eds.), *Biological Nitrogen Fixation*, 529
- Stafford, A., and G. Warren (eds.), *Plant Cell and Tissue Culture*, 58
- Stage-Structured Populations: Sampling, Analysis and Simulation, by B. F. J. Manly, 230
- Statistical Methods: The Geometric Approach, by D. J. Saville and G. R. Wood, 247
- StatXact, by Y. Gajjar et al., *software*, 100
- Stephan, H., et al., *Insectivora: With a Stereotaxic Atlas of the Hedgehog Brain*, 554
- Steriade, M., et al., *The Visual Thalamocortical System and Its Modulation by the Brain Stem Core*, 81
- Sternberg, S. S. (ed.), *Histology for Pathologists*, 416
- Stevens, L., *Genetics and Evolution of the Domestic Fowl*, 523
- Stevenson, J. C., *Dictionary of Concepts in Physical Anthropology*, 237
- Stewart, B. A. (ed.), *Advances in Soil Science*, Vol. 15, 74
- Stiven, A. E., *Population Ecology Tutorial software*, 253
- Stolz, J. F. (ed.), *Structure of Phototrophic Prokaryotes*, 367
- Storm-Mathisen, J., et al. (eds.), *Understanding the Brain through the Hippocampus*, 554
- Streips, U. N., and R. E. Yasbin (eds.), *Modern Microbial Genetics*, 364
- Strickberger, M. W., *Evolution*, 205
- Structural Biomaterials, by J. Vincent, rev. ed., 352
- Structure of Phototrophic Prokaryotes, ed. by J. F. Stolz, 367
- Strukturanalyse und Zeigerwert der Auen- und Ufervegetation im Hamburger Hafen- und Hafenrandgebiet, by H. Preisinger, 60
- Studies on Large Branchiopod Biology and Aquaculture, ed. by D. Belk et al., 384

- Subcellular Biochemistry, ed. by H. J. Hilder-
son, Vol. 16 (Intracellular Transfer of Lipid
Molecules), 48
- Subsidy from Nature: Palm Forests, Peasantry,
and Development on an Amazon Frontier,
by A. B. Anderson et al., 226
- Surgical Solution: A History of Involuntary Ster-
ilization in the United States, by P. R.
Reilly, *commentary*, 337
- Sutherland, I. W., Biotechnology of Microbial
Exopolysaccharides, 527
- Suzuki, D., and P. Knudtson, Genetics: The
Clash between the New Genetics and Hu-
man Values, *lead review*, 501
- Sweeney, M. J., et al. (eds.), "Larval" and Juve-
nile Cephalopods: A Manual for Their
Identification, 541
- Sweet Potato Pest Management: A Global Per-
spective, ed. by R. K. Jansson and K. V.
Raman, 548
- Symbiosis as a Source of Evolutionary Innova-
tion: Speciation and Morphogenesis, ed. by
L. Margulis and R. Fester, 524
- Synaptic Organization of the Brain, ed. by
G. M. Shepherd, 3rd ed., 79
- Synthèse Eurosibérienne, Phytosociologique et
Phytogéographique de la Classe des *Festuco-
Brometea*, by J. M. Royer, 372
- Systematics of the Neotropical Characiform Ge-
nus *Steindachnerina* Fowler (Pisces: Ostario-
physi), by R. P. Vari, 221
- Systems Theory Applied to Agriculture and the
Food Chain, ed. by J. G. W. Jones and
P. R. Street, 392
- TableCurve, by Jandel Scientific, Version 3.0,
software, 571
- Taxonomic Revision of the Lysorophia, Permo-
Carboniferous Lepospondyl Amphibians,
by C. F. Wellstead, 196
- Taylor, P. D., and G. P. Larwood (eds.), Major
Evolutionary Radiations, 52
- Taylor, P. L., GeneJockey: Sequence Processor,
software, 423
- T-Cell Paradigms in Parasitic and Bacterial In-
fections, ed. by S. H. E. Kaufmann, 238
- TeBeest, D. O. (ed.), Microbial Control of
Weeds, 211
- Teerink, B. J., Hair of West-European Mam-
mals: Atlas and Identification Key, 377
- Temperature and Environmental Effects on the
Testis, ed. by A. W. Zorgnotti, 240
- Terrestrial Ecosystems, by J. D. Aber and J. M.
Melillo, 544
- Terzano, M. G., et al. (eds.), Phasic Events and
Dynamic Organization of Sleep, 84
- Textbook on Biotechnology, by H. D. Kumar,
516
- Thalmann, D. (ed.), Scientific Visualization and
Graphics Simulation, 246
- Thayer, R. E., The Biopsychology of Mood and
Arousal, 406
- Theoretical Studies of Ecosystems: The Network
Perspective, ed. by M. Higashi and T. P.
Burns, 227
- Theory of Heart: Biomechanics, Biophysics, and
Nonlinear Dynamics of Cardiac Function,
ed. by L. Glass et al., 243
- This Side Up: Spatial Determination in the Early
Development of Animals, by R. Wall, 55
- Thomas, P., Grünlandgesellschaften und Grün-
landbrachen in der Nordbadischen Rhein-
aue, 211
- Thomson, K. S., Living Fossil: The Story of the
Coelacanth, 71
- Thorp, J. H., and A. P. Covich (eds.), Ecology
and Classification of North American
Freshwater Invertebrates, 383
- 3-D Visions, GRAFTOOL: Graphical Analysis
System, Version 3.3, *software*, 424
- Timetables of Science, by A. Hellemans and
B. Bunch, 245
- Tip Growth in Plant and Fungal Cells, ed. by
I. B. Heath, 361
- Tobias, P. V., Olduvai Gorge, Vol. 4 (The
Skulls, Endocasts and Teeth of *Homo Habi-
lis*), Parts I-IX, 91
- Toft, C. A., et al. (eds.), Parasite-Host Associa-
tions: Coexistence or Conflict?, 532
- Tomatis, L., et al. (eds.), Cancer: Causes, Oc-
currence and Control, 412
- Towner, H., Population Ecology and Genetics,
software, 425
- Towner, K. J., et al. (eds.), The Biology of *Ac-
inetobacter*: Taxonomy, Clinical Importance,
Molecular Biology, Physiology, Industrial
Relevance, 367
- Toxic Interactions, ed. by R. S. Goldstein et al.,
243
- Trevarthen, C. (ed.), Brain Circuits and Func-
tions of the Mind, 399
- Triglycerides: The Role in Diabetes and Athero-
sclerosis, ed. by A. M. Gotto, Jr. and
R. Paoletti, 413

- Tropical Pasture Utilisation, by L. R. Humphreys, 392
- Tropical Rainforest, by A. Newman, 388
- True Nutrition, True Fitness, by J. Winter, 408
- Tsui, L.-C., et al. (eds.), The Identification of the CF (Cystic Fibrosis) Gene: Recent Progress and New Research Strategies, 237
- Tudge, C., Global Ecology, 387
- Tuite, M. F., and S. G. Oliver (eds.), *Saccharomyces*, 209
- Tümbay, E., et al. (eds.), *Candida* and *Candida*-mycosis, 528
- Turner, A. J. (ed.), Molecular and Cell Biology of Membrane Proteins: Glycolipid Anchors of Cell-Surface Proteins, 45
- Ulrich, B., and M. E. Sumner (eds.), Soil Acidity, 75
- Ultrastructural Immunocytochemistry of the Hypothalamic Corticotropin Releasing Hormone Synthesizing System: Anatomical Basis of Neuronal and Humoral Regulatory Mechanisms, by Z. Liposits, 242
- Understanding Cell Toxicology: Principles and Practice, by E. Walum et al., 92
- Understanding the Brain through the Hippocampus, ed. by J. Storm-Mathisen et al., 554
- Uniquely Human: The Evolution of Speech, Thought, and Selfless Behavior, by P. Lieberman, 85
- Untersuchungen zur Immissionsbelastung der Berliner Forsten: Deposition und Bioindikation, by K. Markan and U. Fischer, 61
- Vaccines for Fertility Regulation: The Assessment of Their Safety and Efficacy, ed. by G. L. Ada and P. D. Griffin, 241
- van der Dennen, J., and V. Falger (eds.), Sociobiology and Conflict: Evolutionary Perspectives on Competition, Cooperation, Violence and Warfare, 40
- Vanishing Mind, by L. L. Heston and J. A. White, 402
- Vari, R. P., Systematics of the Neotropical Characiform Genus *Steindachnerina* Fowler (Pisces: Ostariophysi), 221
- Vegetation and Land Use in the Mathews Range Area, Samburu-District, Kenya, by G. Bronner, 227
- Vincent, J., Structural Biomaterials, rev. ed., 352
- Viral Infections of Humans: Epidemiology and Control, ed. by A. S. Evans, 3rd ed., 89
- Viruses that Affect the Immune System, ed. by H. Y. Fan et al., 415
- Visual Thalamocortical System and Its Modulation by the Brain Stem Core, by M. Steriade et al., 81
- Voisin, C., The Herons of Europe, 538
- Vyverman, W., Diatoms from Papua New Guinea, 374
- Wagman, M., Cognitive Science and Concepts of Mind: Toward a General Theory of Human and Artificial Intelligence, 397
- Walker's Mammals of the World, by R. M. Nowak, Vols. I and II, 5th ed., 375
- Wall, R., This Side Up: Spatial Determination in the Early Development of Animals, 55
- Wallace, B., Fifty Years of Genetic Load: An Odyssey, 362
- Walum, E., et al., Understanding Cell Toxicology: Principles and Practice, 92
- Ware, G. W. (ed.), Reviews of Environmental Contamination and Toxicology, Vol. 121, 546
- Warren, L., and H. Koprowski (eds.), New Perspectives on Evolution, 50
- Wasatchian (Early Eocene) Mammals and Other Vertebrates from Baja California, Mexico: The Lomas Las Tetras de Cabra Fauna, by M. J. Novacek et al., 197
- Waterfowl Ecology, by M. Owen and J. M. Black, 70
- Water Science Reviews 5: The Molecules of Life, ed. by F. Franks, 357
- Watson, E. L., Houses for Science: A Pictorial History of Cold Spring Harbor Laboratory, 513
- Węgrzyn, S., et al., Developmental Systems: At the Crossroads of System Theory, Computer Science, and Genetic Engineering, 526
- Weiser, J., Biological Control of Vectors, 88
- Weismann, L., et al. (eds.), Proceedings of the Second International Congress of Dipterology, 537
- Wellstead, C. F., Taxonomic Revision of the Lysorophia, Permo-Carboniferous Lepospondyl Amphibians, 196
- West, R. G., Pleistocene Palaeoecology of Central Norfolk: A Study of Environments through Time, 515

- Wetlands and Shallow Continental Water Bodies, ed. by B. C. Patten, Vol. 1 (Natural and Human Relationships), 383
- Wetzel, R. G., and G. E. Likens, *Limnological Analyses*, 2nd ed., 69
- White, T. D., *Human Osteology*, 412
- Whither Ecology?, by R. P. McIntosh, *lead review of A Critique for Ecology*, by R. H. Peters, 495
- Wilcox, W. F. (ed.), *Biological and Cultural Tests for Control of Plant Diseases*, Vol. 6 (1991), 371
- Wildkatze: *Felis silvestris*, by R. Piechocki, 218
- Williams, G. C., *Natural Selection: Domains, Levels and Challenges*, *lead review*, 343
- Williams, G. R., *HyperCELL*, *software*, 97
- Wilschut, J., and D. Hoekstra (eds.), *Membrane Fusion*, 199
- Wilson Popenoe: *Agricultural Explorer, Educator, and Friend of Latin America*, by F. Rosengarten, Jr., 213
- Windsor, D. M., *Climate and Moisture Variability in a Tropical Forest: Long-Term Records from Barro Colorado Island, Panamá*, 72
- Winsor, M. P., *Reading the Shape of Nature: Comparative Zoology at the Agassiz Museum*, 505
- Winter, J., *True Nutrition, True Fitness*, 408
- Wisconsin Birdlife: *Population & Distribution, Past & Present*, by S. D. Robbins, Jr., 216
- Wise, D. L., and L. B. Wingard, Jr. (eds.), *Biosensors with Fiber Optics*, 95
- With Bitter Herbs They Shall Eat It, by T. Johns, 408
- World Health Organization, *Public Health Impact of Pesticides Used in Agriculture*, 411
- Wotton, R. S. (ed.), *The Biology of Particles in Aquatic Systems*, 225
- Wünnenberg, W., *Physiologie des Winterschlafes*, 378
- Wyman, R. L. (ed.), *Global Climate Change and Life on Earth*, 386
- Yanagita, T., *Natural Microbial Communities: Ecological and Physiological Features*, 56
- Yeasts, ed. by A. H. Rose and J. S. Harrison, Vol. 4 (*Yeast Organelles*), 2nd ed., 368
- Yeasts and Yeast-Like Organisms, by A. Kocková-Kratochvílová, 2nd ed., 57
- Yeasts: *Characteristics and Identification*, by J. A. Barnett et al., 2nd ed., 369
- Young, A. M., *Sarapiquí Chronicle: A Naturalist in Costa Rica*, 513
- Zarzycki, K., et al. (eds.), *Contributions to the Knowledge of Flora and Vegetation of Poland*, Vol. 1 [*Vegetation Studies; Changes and Conservation of Flora and Vegetation (Vascular Plants, Lichens, and Macrofungi); Biosystematics*], 531
- Zervos, C., et al. (eds.), *Risk Analysis: Prospects and Opportunities*, 567
- Zorgniotti, A. W. (ed.), *Temperature and Environmental Effects on the Testis*, 240
- Zur Kenntnis der Flechtenflora am Hohen Meissner und in Seinem Vorland (Hessen) Unter Besonderer Berücksichtigung Chemischer Merkmale, by H. Kümmerling, 60

INDEX TO REVIEWERS OF BOOKS AND SOFTWARE: VOLUME 67 (1992)

Agius, G., 413
Akçakaya, H. R., *software*, 99
Alberch, P., 55
Alcock, J., 513
Alexander, R. M., 214
Allchin, D., 350
Andersson, H. C., 51
Arditti, J., 374
Armstrong, P. B., 207
Arts, T., 243
Ashton, P. S., 388
Augee, M. L., 539

Baars, B. J., 195
Baas, P. W., 76
Baker, R. J., 539
Barber, R., 93
Barkay, T. (with L. Simonsen), 364
Baron, J., 382
Baronas-Lowell, D. M., 355
Barrett, S. C. H., 213
Barrowclough, G. F., 365
Bass, W. M., 412
Battley, E. H., 209, 369, 374
Baum, A., 420
Baumiller, T. K., 197
Bayles, K. A., 402
Behki, R., 203
Bell, M. A., 52, 205
Beltrami, E., *software*, 254
Bennett, J. W., 355
Bennett, M. R., 233
Bergersen, F. J., 529
Berrill, M., 383
Bicker, A. A., 563
Biknevicus, A. R., 379
Billingham, R. E., 241
Bingman, V. P., 404, 556
Bisby, M. A., 563
Bitgood, J. J., 523
Boado, R. J., 402
Bock, W. J., 217
Bonino, F., 409
Bortenschlager, S., 545
Boucher, D. H., 524
Bouwer, H., 73

Braithwaite, W., 396
Brander, K., 68
Braun, D. G., 417
Brito da Cunha, A., 40
Brodwick, M. S., 215
Brooks, J. G., 352
Brown, A. H. D., 210
Brown, T. M., 381
Bucklin, A., 386
Burger, E. J., Jr., 241
Burrows, C. J., 518
Bybee, R. W., 194

Calow, P., 215
Carlson, E. A., *commentary*, 337
Carnevale, N. T., 79
Casabona, J., 560
Charlesworth, B., 201
Chow, S., 384
Christie, W. W., 45
Cirillo, V. P., 516
Cockburn, A., 556
Cody, M. L., 222, 390
Cohen, A. L., 247
Cohen, L. A., 89, 407
Collins, W. F., III, *software*, 571
Conover, M., 373
Conroy, M. J., *software*, 252
Cooke, J., 206, 365
Cosgrove, D. J., 211
Cowan, R. S., 245
Cox, D. L. (with B. Rogers), 350
Coyle, P. K., 77
Crawshaw, L. I., 377

Daly, D. C., 388
Daly, M., 40
Davis, G. K., 519
Day, J. F., 536
Delcourt, H. R., 394
Delgado-Escueta, A. V., 80
Dennis, R. D., 48
Denslow, J. S., 544
Devendra, C., 392
Devoret, R., 52

- Diamond, R. D., 528
 Dittus, W., 547
 Doonan, J. H., 361
 Draws, G., 367
 Drickamer, L. C., 242
 Dugatkin, L. A., 50
 Dumanski, J., 74
 Dyke, C., 551
 Dykhuizen, D., 41
- Eckenwalder, J. E., 192
 Edgar, L. G., 513
 Edmunds, L. N., 522
 Edwards, C. A., 546
 Eldredge, N., 196
 Encarnacao, J., 246
 Engelmann, M. D., 193
 Erdö, S. L., 401
 Ernst, P. B., 238
 Erskine, F., 39
 Ewbank, R., 245
- Fain, J. N., 200
 Falk, A. E., 512 (2)
 Farber, P. L., 508
 Fay, R. R., 81
 Felsenstein, J., 418
 Fenchel, T., 366
 Fichman, M., 508
 Fields, B., 89
 Finlay, B. L., 80
 Fisk, D. A., 385
 Flach, K. A., 552
 Fleagle, J. G., 237
 Fomon, S. J., 559
 Forbes, G. B., 88
 Fortin, M.-J., 228, 353
 Foster, S. A., 82
 Francis, A. J., 542
 Freedman, D. S., 413
 Freimuth, P., 409
 French, D. L., 525
 Freshney, R. I., 359
 Fuchs, C. (with N. Schechter), 47
 Furie, M. B., 54, 564
 Furnier, G., 212
 Futuyma, D. J., 190, 536
- Galloway, A., 65
 Garn, S. M., 408
- Geiser, F., 66
 Gerard, V. A., 70
 Ghiselin, M. T., 505
 Gilbert, P., 406
 Glagov, S., 565
 Glass, B., *lead review*, 501; 517
 Glass, B. P., 375
 Glavin, G. B., 78
 Goldberg, R. J., 229
 Goldfarb, T. D., 548
 Golding, J., 85
 Goldsmith, T. H., 507
 Goodenough, D. A., 235
 Gorbisky, G. J., 359
 Gordon, J. M. (with D. E. Shaner), 403
 Gore, J. A., 542
 Gotelli, N. J., 382
 Gottesman, S., 364
 Grace, J. B., 383
 Grafen, A., *lead review*, 343
 Granoff, A., 93
 Grant, B., 524
 Greeley, F., 42
 Green, A. J., 561
 Greene, E., 64
 Greenwood, J. J. D., 228
 Greer, F. R., 237
 Gregersen, H. M., 72
 Grigg, G., 547
 Grumet, M., 49
 Gutteridge, J. M. C., 522
 Gyorkos, T. W., 239
- Habicht, G. S., 92
 Haila, Y., 391
 Hardy, S. G. P. (with P. J. May), 553
 Hargrove, J., 557
 Harmsen, R., 74
 Harte, J., 390
 Havran, W. L., 415
 Hayflick, L., 194
 Hechtel, G., 385, 386
 Heldmaier, G., 378
 Henkens, R. W. (with J. Stonehuerner), 358
 Hochberg, M., 532
 Hooper, J., 526
 Houde, P., 62
 Hu, W.-S. (with H. Vits), 526
 Huck, U. W., 53
 Hughes, C., 535

- Illius, A., 392
- Jago, N. D., 67
- Jeeves, M., 399
- Jerison, H. J., 550
- Johnson, E. M., 243
- Jones, E. G., 234
- Juni, E., 367
- Kaplan, L., 530
- Keast, A., 73, 531
- Kellogg, E. A., 59
- Khan, S. A. (with P. D. Robbins), 354
- Khibnik, A. I., 567
- Kiehl, J. T., 386
- Killackey, H. P., 552
- Kimbel, W. H., 91
- Kinghorn, A. D., 357
- Kittel, P., 418
- Klein, R. G., 86
- Kleinberg, I., 49
- Koch, A. L., 232
- Køic, M., 384
- Kraus, O., 537
- Krikorian, A. D., 58 (2), 60, 61, 211, 226, 374, 408
- Kuhn, S. L., 90
- Kuljis, R. O., 78, 398
- Langham, N., 404
- Lanyon, S. M., 537
- Lehtonen, L., 244
- Levine, H. G., 371
- Lewis, J. C., 380
- Leyhausen, P., 218
- Loew, S. S., 85
- Long, G. L., 566
- Lopes, J. M., 209
- Loveland, P. J., 75
- LoVerde, P. T., 533
- Low, K. B., 198
- Lundelius, E. L., Jr., 405
- Lynch, J. M., 56
- Madajewicz, S., 412
- Malacinski, G. M., 55
- Malenky, R. K. (with N. Thompson-Handler), 555
- Mangel, M., 419
- Mann, K. H., 220
- Mann, S., 352
- Marchalonis, J. J., 57
- Marean, C. W., 540
- Mark, G., 42
- Marks, L. E., 406
- Marshall, J. C., 561
- Martin, D. W., 94
- May, P. J. (with S. G. P. Hardy), 553
- Maynard Smith, J., *lead review*, 187
- Mayr, E., 63; *commentary*, 175
- McCarthy, J., 397
- McCormick, D. A., 81
- McCune, A., 43
- McDowell, S. B., 514
- McIntosh, R. P., *lead review*, 495
- McLendon, G., 197
- McNamee, M. G., 46
- Mendell, N. (with N. Oden), *software*, 570
- Merlin, M., 559
- Meyer, A. (with C. Sturmbauer), 540
- Meyer, A., 71, 221; *software*, 423
- Middleton, C. C., 94, 219
- Miller, F., 86, 510
- Millstein, J. A., *software*, 98, 255
- Mišek, I., 554
- Mitchell, R., 567
- Moore, A. J., 363
- Moore, F. D., 348
- Moore, P. B., 198
- Morrison, J. A., *software*, 253
- Morrison, S. A., 417
- Morton, J. F., 58, 213
- Mosier, D. E., 415
- Motulsky, A. G., 84
- Mullens, B. A., 88
- Myers, N., 395
- Nachtigall, W., 196
- Namiki, M., 240
- Nebes, R. D., 87
- Nicholls, J. G., 398
- Nitecki, M. H., 205
- Nordmann, A., 510
- North, R. A., 79
- Northcote, T. G., 387
- Noy-Meir, I., 393
- Obe, G., 360
- O'Dell, T. J., 554
- Oden, N. (with N. Mendell), *software*, 570

- Ogden, T. E., 234
 Oppenheimer, J., 192, 505, 511
 Orel, V., *commentary*, 487
 Orem, J., 84, 397
 Osawa, R. O., 379
 Osiewacz, H. D., 373
 Owens, T. G., 61
- Padoch, C., 236
 Pagel, M., 376
 Patlak, C. S., *software*, 100
 Payne, R. B., 43
 Peck, S. B., 541
 Pella, J. J., 543
 Pellegrino, E. D., 511
 Perry, S., 240
 Peterson, T. C., 546
 Phaff, H. J., 57
 Pianka, E. R., 545
 Pigliucci, M., *software*, 425
 Pimm, S. L., 72
 Pitelka, F. A., 223
 Pitt, J. C., 566
 Platt, T., 225
 Ploetz, R. C., 371
 Pöysä, H., 70
- Queener, S. W., 528
 Quevedo, W. C., Jr., 414
- Raffaele, H. A., 64, 538
 Rajan, S. S. S., 549
 Rebecchi, M. J., 45
 Rees, M., 230
 Reiners, K., 521
 Richardson, C. D., 208
 Rieger, P. H., 523
 Riegner, M., 538
 Robbins, P. D. (with S. A. Khan), 354
 Robbins, S. L., 353
 Roberts, I. S., 527
 Roberts, J. A., 370
 Rodman, P. S., 218
 Rogers, B. (with D. L. Cox), 350
 Rohlf, F. J., 247; *software*, 424
 Rokita, S. E., 357
 Rolston III, H., 349
 Romert, L., 92
 Rose, J., 515
 Rosen, R., 227
- Rothblatt, J. A., 368
 Rowe, G. T., 224
 Rubin, C. T., 416
 Ruse, M., 191
 Russell, J. R., 219
- Sandage, A., 515
 Sang, J., 204
 Sargent, T. D., 236
 Sarma, R., 44, 518
 Sarrowa, J., 516
 Sauer, J. R., *software*, 569
 Saunders, J. C., 216
 Schechter, N. (with C. Fuchs), 47
 Schmidt-Koenig, K., 380
 Schneck, D. J., 243
 Schneider, S. M., 230
 Schröder, H. C., 47
 Schwalm, F., 54
 Sella, G., 67
 Serpell, J. A., 83
 Sessions, S. K., *lead review*, 498
 Shaner, D. E. (with J. M. Gordon), 403
 Sharma, A., 95
 Shope, R. E., 370
 Silverberg, M., *software*, 97
 Simmons, M. J., 362
 Simonsen, L. (with T. Barkay), 364
 Slobodkin, L. B., 227
 Smith, C. L., 222
 Smith, M. A., 356
 Snyderwine, E. G., 519
 Sokal, R. R. (with B. A. Thomson), *software*, 100
 Sokal, R. R., 419
 Solbrig, O. T., 206
 Sonleitner, F., *software*, 424, 425
 Spigarelli, S. A., 232
 Sposito, G., 395
 Springer, C. S., Jr., 565
 Staddon, J. E. R., 95
 Starratt, A. N., 401
 Stearns, S. C., 362
 Stone, J. L., *software*, 254
 Stonehuerner, J. (with R. W. Hensens), 358
 Sturmabauer, C. (with A. Meyer), 540
 Summy-Long, J. Y., 77
 Sutherland, J. A., 548
 Swerdlow, N. R., 405
- Tauber, A. I., 564
 Taylor, S. L., 411

- Temple, S. A., 216
Tessier, A. J., 69
Teyler, T. J., 83
Thomasma, D., 506
Thompson-Handler, N. (with R. K. Malenky), 555
Thomson, B. A. (with R. R. Sokal), *software*, 100
Thomson, J. D., *software*, 251; 387
Tobin, A. J., 76
Tocws, M. L., 233
Tomlinson, G. H., 230
Tronick, S. R., 520
Trujillo, E. E., 211
Twombly, S., 389
- Valiela, I., 224
van Andel, T. H., 351
van Schaik, C., 549
Vidaver, A. K., 201
Vits, H. (with W.-S. Hu), 526
Vogel, K. S., 360
- Wallace, L. L., 396
Walsh, J. B., 51
Walsh, J. S., Jr., 380
Warheit, D. B., 361
Warren, S., 551
Watson, R. A., *lead review*, 346
Westfall, R., 509
Whistler, R. L., 357
White, J. D., 400
Wiig, O., 68
Williams, G. C., *commentary*, 479
Williams, P. A., 562
Williams, T. D., 65
Wills, C., 53
Winick, M., 238
Winterbottom, R., 220
Wolpert, L., 521
- Yeagle, P. L., 199
Young, E. A., 557
Young, J. D., 199
- Wagner, G. P., 533
Wake, M. H., 47
- Zavon, M. R., 411
Zouros, E., 203

